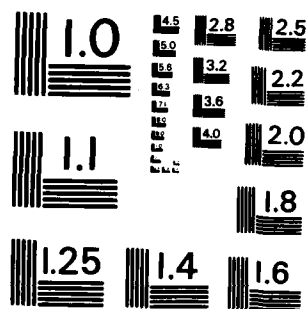


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HAHN AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 AUG 82
USAFETAC/D5-82/049 SBT-AD-ESBO 208 F/G 4/2

1/5

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

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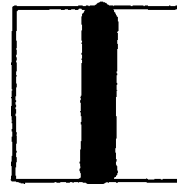


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USAFETAC DS-82/049

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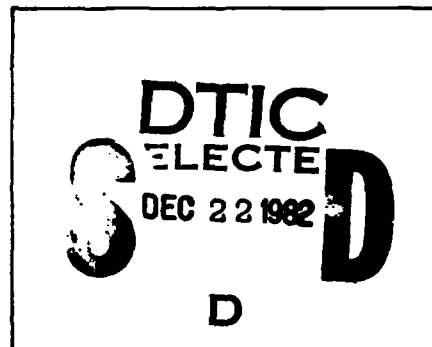
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USAFETAC
Air Weather Service (MAC)**

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

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16 AUG

PARTS A-F
POR: FROM HOURLY OBS JAN 73 - DEC 81
POR: FROM DAILY OBS JUL 53 - DEC 81
TIME CONVERSION GMT TO LST: +1

AUG 09 1982

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Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burmann

WALTER S. BURGMANN
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Information Officer (STINFO)

23 AUG 1982

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 82/049	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- HAHN AB, WEST GERMANY		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations at HAHN AB, WEST GERMANY It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

DD FORM 1 JAN 73 1473

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

WEST GERMANY

HAHN AB, WEST GERMANY

20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those records of hour-by-hour observations recorded at intervals of one hour.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into a single entry for each day (including the beginning of the day, regardless of the day, month, etc.)

DESCRIPTION OF SUMMARIES

Each section contains a description of the data compiled, which part of the revised uniform summary of surface weather observations is to be included, and the data are prepared from hourly and daily observations recorded on reporting forms (including the beginning of the day, month, etc.)

Each summary sheet contains the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER **DATA NOT AVAILABLE**

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE **DATA NOT AVAILABLE**

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in three-hour periods corresponding to the following sets of hourly observations: 0000-0059, 0100-0159, 0200-0259, 0300-0359, 0400-0459, 0500-0559, 0600-0659, 0700-0759, 0800-0859, 0900-0959, 1000-1059, 1100-1159, 1200-1259, 1300-1359, 1400-1459, 1500-1559, 1600-1659, 1700-1759, 1800-1859, 1900-1959, 2000-2059, 2100-2159, 2200-2259, 2300-2359.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of records. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
106160	HAHN AB GERMANY/HUNSRUCK	N 49 57	E 007 16	1650	EDAH	10616

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARD.	
1	Hahn AB Germany	AB	Aug 53	Feb 56	N 49 57	E 007 15	1659 ft	1615	24
2	Same	Same	Mar 56	Mar 59	Same	Same	Same	1613	24
3	Same	Same	Apr 59	Mar 61	Same	Same	Same	1612	24
4	Same	Same	Apr 61	Dec 70	Same	E 007 16	1650	Same	24
5	Same	Same	Jan 71	Feb 78	Same	Same	Same	Same	24
6	Same	Same	Mar 78	May 82	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 53	Located on top of control tower.	AN/GMQ 1	None	75 ft	
2	May 55	Located 50 ft from remote observation site.	Same	ML 204 (wnd panel)	Surface	
3	Mar 56	Located 35 ft N of rnwy obs site.	Same	Same	13 ft	
4	Mar 59	Located in midpoint of rnwy 04/22 518 ft ENE of center of rnwy.	AN/GMQ 1	RO-2A	Same	
5	Jul 59	Located 518 ft from centerline of rnwy, 4900 ft from end rnwy 22, 4310 ft from end rnwy 04.	Same	Same	Same	
6	Mar 60	Located 518 ft from centerline of rnwy, halfway from either end of rnwy (midpoint).	Same	Same	Same	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Apr 63	Located 500 ft NW of ROS.	Same	Same	12 ft	
8	Apr 65	1. Located at end of rnwy R04, 500 ft SE of centerline.	Same	Same	Same	
		2. Located at end of rnwy R22, 500 ft SE of centerline.	Same		Same	
9	Apr 70	1. Same	Same	RO-362	Same	
		2. Same	Same		Same	
10	Jan 71	1. Located 1550 ft from centerline of Rnwy R04, 500 ft SE of centerline	Same	Same	Same	
		2. Located 2200 ft from centerline of Rnwy R22, 500 ft SE of centerline	Same		Same	
11	Feb 78	1. Same	Same	Same	Same	
		2. Same	Same		Same	
12	May 82	1. Same	Same	Same	Same	
		2. Same	Same		Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIC WEATHER SERVICE/MAC

WEATHER CONDITIONS

100160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02		15.1	1.6	14.6		29.5	36.5	6.9			43.4	836
	03-05		16.8	1.0	16.6		32.7	38.4	5.6			44.0	837
	06-08		17.3	1.4	17.3		33.1	39.3	4.8			44.1	837
	09-11		15.5	1.4	16.5		32.1	37.0	6.2			43.2	837
	12-14		13.9	1.3	15.8		29.2	31.5	10.0	.1		41.7	837
	15-17	.1	14.4	1.3	15.6		29.7	29.0	11.0			40.0	835
	18-20		12.4	1.6	14.9		27.7	30.0	9.6			39.5	837
	21-23		15.1	1.4	12.5		28.0	31.8	7.5			39.3	837
TOTALS		.0	15.1	1.4	15.5		30.3	34.2	7.7	.0		41.9	6693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 616C
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02		11.0	1.6	10.8		23.2	33.1	14.0			47.1	762
	03-05		11.5	1.6	13.3		25.6	37.3	13.1			50.4	762
	06-08		11.7	.5	13.4		23.9	40.4	10.2			50.7	762
	09-11		11.8	.9	15.4		27.2	31.6	16.3			47.9	762
	12-14		10.6	1.0	14.6		24.7	22.2	18.8			40.9	762
	15-17		11.3	1.2	13.1		23.6	20.6	18.9			39.5	762
	18-20	.1	13.5	1.3	10.4		24.0	23.6	21.3			44.9	762
	21-23		11.8	1.2	12.3		23.9	25.2	17.7			42.9	762
TOTALS		.0	11.7	1.2	12.9		24.5	29.3	16.3			45.5	6096

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 6160 HAHN AB DL 73-81 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		18.2	.2	6.7		23.7	18.4	12.3			30.7	837
	03-05		16.8		7.9		23.4	22.2	12.7			34.9	837
	06-08		15.3		8.7		22.6	31.2	11.4			42.6	836
	09-11		15.5		11.5		26.4	22.1	13.1			35.2	837
	12-14		14.8	.1	7.8	.2	21.9	12.8	14.2			27.0	837
	15-17		18.0		7.4		24.9	8.4	15.1			23.4	837
	18-20	.1	19.6		5.3	.1	23.9	10.5	14.8			25.3	837
	21-23		17.1		6.1	.1	22.1	14.5	13.0			27.5	837
TOTALS		.0	16.9	.0	7.7	.1	23.6	17.5	13.3			30.8	6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

106160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02		12.9		4.6		15.9	15.5	10.1			25.6	809
	03-05		13.6		7.5		19.1	23.6	11.1			34.7	810
	06-08	.1	10.4		8.4		18.1	32.0	13.0			44.9	810
	09-11		9.5		8.1		17.2	15.2	18.0			33.2	810
	12-14	.2	11.4		6.4		15.9	7.0	13.1			20.1	810
	15-17	.4	14.0	.1	7.0	.1	19.9	4.6	9.3			13.8	810
	18-20		12.1	.2	4.0		15.8	5.6	9.3			14.8	809
	21-23		13.3		4.7		16.7	7.0	12.7			19.8	810
TOTALS		.1	12.6	.0	6.3	.0	17.3	13.8	12.1			25.9	6478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

100160

HAHN AB DL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.6	11.9		.5		12.3	10.6	8.1			18.8	837
	03-05	.2	13.0		.5		13.1	20.4	9.1			29.5	837
	06-08	.4	13.0		1.6		14.1	21.6	9.6			31.2	837
	09-11		12.1		1.6		13.5	10.3	10.6			20.9	837
	12-14	.7	12.9		1.3		14.1	4.3	7.3			11.6	837
	15-17	1.0	10.4		1.0	.2	11.5	2.6	6.5			9.1	837
	18-20	1.6	11.9		.1		12.1	3.0	4.7			7.6	837
	21-23	1.1	11.1		.6		11.7	6.0	7.6			13.6	837
TOTALS		.7	12.0		.9	.2	12.8	9.9	7.9			17.8	6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION 160 HAHN AB DL 73-81 JUN
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.7	11.7				11.7	10.1	10.9			21.0	809
	03-05	.9	9.8				9.8	25.3	9.9			35.2	810
	06-08	.6	13.7			.1	13.8	23.6	8.9			32.5	810
	09-11	.7	11.9		.1		11.9	12.1	9.0			21.1	809
	12-14	1.6	11.4			.1	11.5	4.8	8.6			13.5	810
	15-17	2.2	12.1				12.1	4.1	7.5			11.6	810
	18-20	3.1	11.6				11.6	3.2	6.9			10.1	808
	21-23	2.1	13.2				13.2	5.9	11.6			17.5	810
TOTALS		1.5	11.9		.0	.0	12.0	11.1	9.2			20.3	6476

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

166160 HAHN AB DL 73-81 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	1.0	10.8				10.6	12.6	8.7			21.3	835
	03-05	.7	11.6				11.6	23.7	9.6			33.2	837
	06-08	.4	12.2				12.2	27.4	11.1			38.5	837
	09-11	.1	11.5				11.5	12.1	11.6			23.7	837
	12-14	.4	9.4				9.4	5.5	7.6			13.1	837
	15-17	1.7	11.6			.1	11.7	2.9	5.5			8.4	837
	18-20	1.3	12.1				12.1	4.2	6.1			10.3	837
	21-23	1.7	11.8				11.8	8.2	7.3			15.5	837
TOTALS		.9	11.4			.0	11.4	12.1	8.4			20.5	6694

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

19616. HAHN AB DL 73-81 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02	.6	9.0				9.0	15.5	13.7			29.3	837
	03-05	.2	7.2				7.2	29.5	12.9			42.4	837
	06-08	.2	8.5				8.5	35.4	10.6			46.0	837
	09-11	.4	8.5				8.5	17.4	16.6			34.1	837
	12-14	.6	9.0				9.0	6.2	12.8			19.0	837
	15-17	1.6	9.2				9.2	3.6	10.6			14.2	837
	18-20	1.2	7.4				7.4	4.8	11.1			15.9	837
	21-23	1.4	9.2				9.2	8.7	13.9			22.6	837
TOTALS		.8	8.5				8.5	15.1	12.8			27.9	6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

100167 FAHN AB DL 73-81 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	.6	10.2				10.2	25.1	13.2			38.3	810
	03-05	.2	8.6				8.6	37.2	9.4			46.5	810
	06-08	.2	9.3		.1		9.3	45.7	6.4			52.1	810
	09-11	.4	9.6				9.6	24.9	13.3			38.3	810
	12-14	.1	9.5				9.5	8.3	15.9			24.2	810
	15-17	.2	10.7				10.7	4.6	11.7			16.3	810
	18-20	.2	8.3				8.3	8.5	15.1			23.6	810
	21-23	.1	10.6		.1		10.6	16.0	13.5			29.5	810
TOTALS		.3	9.6		.1		9.6	21.3	12.3			33.6	6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 F160 HAHN AB DL 73-81 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02	.1	15.5		.7		15.9	43.4	6.1			49.5	837
	03-05		15.1		.6		15.5	50.9	3.3			54.2	837
	06-08		17.6		1.3		18.6	52.0	3.5			55.4	837
	09-11		15.7		.8		16.1	45.5	7.3			52.8	837
	12-14	.1	15.2			.1	15.3	24.7	13.9			38.6	837
	15-17	.1	16.5		.4		16.7	16.5	15.4			31.9	837
	18-20		14.3		.4		14.3	26.5	13.1			39.7	837
	21-23	.2	12.7		.7		13.2	34.9	9.7			44.6	836
TOTALS		.1	15.3		.6	.0	15.7	36.8	9.0			45.8	6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

17616D HAHN AB DL 73-81 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02		17.9		6.9		24.6	34.4	4.6			39.0	810
	03-05		17.5	.1	7.9		24.3	38.9	2.8			41.7	810
	06-08		18.5	.6	7.9		25.6	41.7	2.1			43.8	810
	09-11		17.4	.5	10.0		26.2	34.8	4.9	.1		39.9	810
	12-14		15.2	.2	9.0		23.3	24.7	8.5	.1		33.3	810
	15-17		16.4	.2	8.0	.1	23.3	20.2	11.0	.1		31.4	810
	18-20		18.5	.1	7.3		24.6	26.3	8.4	.1		34.8	810
	21-23		18.3	.4	6.3		24.1	30.0	5.7			35.7	810
TOTALS			17.5	.3	7.9	.0	24.5	31.4	6.0	.1		37.5	6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

106160 HAHN AB DL 73-81 DEC
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TC VISION	TOTAL NO OF OBS
DEC	00-02		17.3	.8	14.3		30.3	35.7	2.5			38.2	837
	03-05		20.1	1.0	14.3		33.9	35.7	2.7	.1		38.6	837
	06-08		18.9	1.8	16.5		35.4	35.2	2.2			37.4	837
	09-11		17.0	.8	15.3	.1	32.0	35.8	2.9			38.7	837
	12-14	.1	16.8	1.0	16.4		33.7	29.3	6.0			35.2	837
	15-17		18.3	1.1	13.5		31.4	29.0	7.6	.2		36.9	837
	18-20		16.2	1.3	11.8		28.6	32.7	6.2			38.9	837
	21-23		17.1	1.0	11.9		29.5	33.6	3.7			37.3	837
TOTALS		.0	17.7	1.2	14.3	.0	31.9	33.4	4.2	.0		37.7	6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

160

HAHN AB DL

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.0	15.1	1.4	15.5		30.3	34.2	7.7	.0		41.9	6693
FEB		.0	11.7	1.2	12.9		24.5	29.3	16.3			45.5	6796
MAR		.0	16.9	.0	7.7	.1	23.6	17.5	13.3			30.8	6695
APR		.1	12.0	.0	6.3	.0	17.3	13.8	12.1			25.9	6478
MAY		.7	12.0		.9	.0	12.8	9.9	7.9			17.8	6696
JUN		1.5	11.9		.0	.0	12.0	11.1	9.2			20.3	6476
JUL		.9	11.4			.0	11.4	12.1	8.4			20.5	6694
AUG		.8	8.5				8.5	15.1	12.6			27.9	6696
SEP		.3	9.6		.0		9.6	21.3	12.3			33.6	6480
OCT		.1	15.3		.6	.0	15.7	36.8	9.0			45.3	6695
NOV			17.5	.3	7.9	.0	24.5	31.4	6.0	.1		37.5	6480
DEC		.0	17.7	1.2	14.3	.0	31.9	33.4	4.2	.0		37.7	6696
TOTALS		.4	13.3	.3	5.5	.0	18.5	22.2	9.9	.0		32.1	78875

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

XX WEATHER CONDITIONS XX
XXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

1 163
STATION

HAHN AB DL

STATION NAME

53-81

YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	1.0	51.5	11.7	52.7	.8	77.6	84.4	49.3	1.3		92.8	866
FEB		.9	47.1	7.1	45.0	.8	70.5	77.2	58.4	.6		90.1	789
MAR		1.3	51.5	1.5	31.7	1.8	66.8	64.4	64.4	.3		85.8	868
APR		3.6	56.7	.2	22.5	3.1	63.3	58.1	56.3			74.8	840
MAY		12.6	62.7	.1	3.6	3.2	63.7	51.5	51.7			69.0	842
JUN		16.2	60.7		.2	1.5	60.7	54.9	53.6			69.1	817
JUL		15.1	57.4			1.7	57.4	55.6	56.3			74.6	840
AUG		12.4	56.9			.9	56.9	61.6	51.8			72.8	898
SEP		4.2	52.2		.7	.4	52.2	69.8	58.9			81.3	855
OCT		1.9	54.2		3.6	.9	54.3	82.1	60.5			89.8	898
NOV		.7	63.2	3.8	25.5	1.0	71.6	85.8	49.1	.9		90.4	862
DEC		.4	54.8	10.0	43.1	.7	74.1	87.4	40.2	1.2		92.2	897
TOTALS		5.9	55.7	2.9	19.3	1.4	64.1	69.6	54.2	.3		81.9	10271

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 57 at 1230GMT
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT
Jul 52-May 57 at 1230GMT
Jun 57-present at 1200GMT

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

1.6160 HAHN AB DL

53-81

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-03	04-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	12-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	22.1	27.6	6.6	16.0	12.2	15.2	4.7	2.5						57.3	829	2.36	3.93	.92	
FEB	29.3	17.7	4.7	11.8	11.3	14.7	7.7	2.2	.1					52.6	763	2.32	5.28	.14	
MAR	32.7	19.4	5.3	15.1	7.9	12.9	4.7	1.8	.1					47.9	866	1.97	4.11	.34	
APR	37.2	18.1	4.8	11.5	8.3	13.9	5.0	1.1	.2					44.7	836	1.81	3.39	.23	
MAY	36.7	16.5	5.1	12.1	6.9	12.2	6.3	4.1	.1					46.9	851	2.73	6.28	.43	
JUN	38.3	19.1	4.1	8.0	7.4	11.0	6.9	4.6	.5					42.6	779	2.78	5.13	.11	
JUL	42.6	13.4	4.3	8.3	7.1	12.0	7.8	3.7	.9					44.0	793	3.03	9.07	.88	
AUG	42.5	14.5	3.5	9.6	6.4	10.9	8.2	3.2	1.1	.1				43.0	833	3.15	7.68	.34	
SEP	47.7	15.7	3.8	8.6	6.7	10.3	5.0	1.9	.4					36.6	795	1.88	4.63	.03	
OCT	45.2	11.9	5.3	11.1	7.7	9.8	5.1	2.7	.5					42.2	865	2.12	4.98	.14	
NOV	29.7	19.1	4.9	14.8	9.3	13.2	7.9	2.3	.6					52.9	839	2.55	5.58	.12	
DEC	24.4	21.5	4.7	13.4	9.9	14.7	7.8	3.0	.2					53.7	859	2.81	6.04	.27	
ANNUAL	35.7	17.3	4.8	11.7	8.4	12.6	6.4	2.8	.4	.0				47.0	9908	29.51			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

160 HAHN AB DL

53-61

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
53							.27	.45	.46	.20	.05	.23	
54	1.00	.44	.77	.42	.70	.48	.55	.76	.52	.55	.45	.67	1.30
55	.83	.62	1.00	.38	.47	.86	.65	.55	.26	.63	.35	.88	1.30
56	.59	.24	.68	.43	.78	.88	1.49	.70	.79	.72	.39	.41	1.49
57	.45	.97	1.50	.94	.44	.67	.36	.56	.88	.59	.51	.82	1.50
58	.89	.71	.28	.23	.84	.70	.85	.97	.44	.36	.39	.31	.97
59	.98	.05	.44	.62	.92	.45	.78	1.21	.05	.64	.38	.98	1.21
60	.36	.39	.27	.33	.82	.63	.74	1.32	.60	.60	.58	.96	1.32
61	.77	.33	.33	.65	.59	2.08	1.10	.28	.43	.49	.39	.53	2.08
62	.47	1.10	.61	.26	.33	.07	.59	.49	.67	.15	.51	.66	1.10
63	.24	.21	.79	.25	.40	2.35	2.40	.42	.55	1.10	2.26	.15	2.40
64	* .28	.24	.43	.66*	.32								
65			.66	.47	.68	1.14*	.40			.18	.71	.97	
66	* .38	.66*	.21*	.46	.67	.63*	.51*	.10*	.03	1.47*	.56	1.34	1.47
67	.19	.56	.51*	.37*	.55*	.52*	.43*	.80*	1.03*	.70	.68*	.44	* 1.03
68	* .38	.41	.23	.41	.57	.81	1.00	1.65	1.27	1.90	.52	.50	1.90
69	.58	.63	.34	.54	.70	.78	.52	1.77	.24	.09	.43	.19	1.77
70	.62	.66	.81	.28*	.24			.31	.72	.69	.22*	.41	
71	.36	.15	.22	.41	.98	.87	.65	.92	.19	.91	2.17	.33	2.17
72	.33	.32	.56	.43	.99	.83	.92	.37	1.01	.33	1.05	.14	1.05
73	.36	.60	.10	.35	.50	.61	.32	.25	.40	.82	.90	.51	.90
74	.41	.51	.33	.10	.27	1.16	.63	.83	.47	.80	.52	.75	1.16
75	.33	.46	.68	1.13	1.07	.88	.65	1.00	.84	.26	.52	.30	1.13
76	.70	.53	.27	.27	.33	.37	1.59	.45	.63	.81	1.06	.39	1.59
77	.61	.80	.43	.62	.41	.73	1.03	.78	.43	.96	.95	.55	1.03
78	.32	.49	.57	.13	.94	.32	.90	.96	.39	.45	.25	.89	.96
79	.33	.37	.51	.45	.97	.57	.66	2.84	.59	.34	.66	1.48	2.84
80	.31	.38	.27	.51	.89	.56	2.10	.52	.22	.45	.54*	.44	2.10
81	.91	.47	.46	1.44	.34	.97	.27*	1.08	.81	1.06	.51	.83	1.44
MEAN	.539	.493	.520	.489	.664	.816	.902	.848	.555	.650	.665	.631	1.434
S. D.	.248	.238	.292	.299	.248	.489	.536	.590	.279	.411	.506	.358	.551
TOTAL OBS	829	763	866	836	851	779	793	833	795	865	839	859	9908

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

1 6160 HAMN AB DL 53-81
STATION STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						*	.89	1.18	1.04	.68	.12	1.07	
54	3.16	1.07	1.97	1.39	2.05	1.15	3.04	4.21	3.31	2.63	1.61	3.66	29.22
55	2.98	3.50	2.12	.90	3.19	3.54	2.83	2.17	1.47	1.99	.86	4.56	30.11
56	2.96	1.04	2.06	1.73	3.08	3.27	3.77	3.48	2.00	3.07	2.04	2.02	30.52
57	2.34	3.94	3.09	1.45	1.43	1.69	2.80	2.64	4.63	1.04	1.48	2.25	28.78
58	3.93	3.98	.65	1.16	6.28	2.17	2.27	5.16	1.34	2.13	1.56	2.61	33.24
59	3.10	.14	1.53	1.99	2.34	2.19	1.89	2.85	.05	2.08	1.54	2.72	22.42
60	2.48	1.88	1.09	1.77	1.82	2.12	3.75	5.29	1.97	3.60	3.86	3.42	33.05
61	3.45	2.65	.73	2.20	3.30	4.07	4.58	1.66	1.42	1.95	1.72	2.06	29.79
62	1.95	3.58	2.05	1.60	1.72	.11	2.81	1.92	2.11	.42	1.65	2.79	22.71
63	1.14	1.13	2.65	1.11	2.05	4.78	2.69	4.23	1.51	2.47	5.58	.27	29.61
64	* .92	1.55	2.35	1.58*	1.37								
65		2.79	3.07	2.42	3.11*	.88				.35	4.10	5.51	
66	* 1.40	2.88*	1.46*	2.06	1.92	2.85*	2.49*	.34*	.03	3.52*	3.25	5.91	*28.11
67	1.17	2.27	2.51*	1.27*	1.94*	1.58*	1.28*	2.23*	2.56*	2.79	2.51*	1.96	*24.07
68	* 2.19	2.86	1.58	1.14	2.20	2.73	3.62	7.68	4.46	3.49	1.11	2.94	*36.00
69	1.81	3.91	1.87	3.04	2.83	2.68	1.84	6.95	.51	.14	3.40	1.19	30.17
70	3.42	5.28	3.12	2.45*	.43			1.28	1.87	2.96	1.91*	2.21	
71	1.67	1.05	.82	.93	5.02	5.13	1.36	3.14	.79	1.43	5.34	.87	27.55
72	1.11	.73	1.57	2.97	5.06	2.27	2.20	2.27	2.08	.79	3.27	.30	24.62
73	.97	3.48	.34	2.14	2.87	1.18	1.84	.80	1.31	3.19	3.11	1.90	23.13
74	1.82	1.74	1.65	.23	1.76	3.40	3.11	2.22	2.19	4.98	3.40	3.67	30.17
75	1.90	.80	2.70	3.39	2.13	3.52	2.24	2.13	2.73	.89	2.41	.64	25.53
76	3.81	.90	1.78	.99	1.20	.44	3.31	1.01	1.78	2.33	3.11	1.97	21.93
77	3.20	4.68	1.90	2.83	1.68	4.06	3.34	3.07	.90	2.19	5.09	2.91	35.85
78	1.94	2.65	3.72	.87	5.05	2.38	3.62	2.19	2.51	.95	.79	3.46	30.13
79	1.78	2.02	4.11	2.92	2.92	1.40	2.11	5.18	1.32	1.01	2.95	5.47	33.19
80	1.37	1.67	1.35	1.27	1.88	5.03	9.07	2.87	1.35	2.21	2.09*	2.77	*32.93
81	3.13	3.19	1.92	2.02	2.01	4.13	1.62*	2.71	2.46	4.79	2.26	6.04	*34.28
MEAN	2.358	2.317	1.975	1.813	2.730	2.776	3.031	3.149	1.884	2.120	2.551	2.808	28.586
S.D.	.920	1.361	.924	.841	1.306	1.355	1.548	1.821	1.075	1.302	1.397	1.704	4.005
TOTAL OBS	829	763	866	836	851	779	793	833	798	865	839	859	9908

NOTE * BASED ON LESS THAN FULL MONTHS

1210 WS FORM 7 JUL 64 0.88.5 (OLI)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

106160 HAHN AB DL

53-81

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	46.4	22.6	13.7	10.6	4.6	1.5	.6	.5	.1					30.9	866	9.4	23.2	.2	
FEB	55.2	16.2	11.0	10.4	4.1	1.1	1.1	.9						28.6	790	9.0	33.4	TRACE	
MAR	67.7	15.6	7.7	5.8	2.1	.6	.2		.3					16.7	867	4.9	19.2	.0	
APR	76.8	14.0	3.9	3.8	.7	.5			.1	.1				9.2	838	2.7	15.3	.0	
MAY	96.8	2.9	.8	.2										1.0	858	.1	2.1	.0	
JUN	99.9	.2													810	TRACE	TRACE	.0	
JUL	100.0														846	.0	.0	.0	
AUG	100.0														898	.0	.0	.0	
SEP	99.3	.7													856	TRACE	TRACE	.0	
OCT	96.6	2.7	.3	.2	.1			.1						.8	899	.4	6.4	.0	
NOV	74.8	13.9	4.9	3.8	1.7	.3	.2	.2						11.3	869	3.2	13.5	.0	
DEC	55.9	20.0	10.0	7.7	3.9	1.1	.9	.3	.2					24.2	896	7.8	35.8	TRACE	
ANNUAL	60.7	9.1	4.3	3.5	1.4	.4	.2	.2	.1	.4				10.2	10293	37.5			

1210 WS FORM
JUL 64 0-15.5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

1 6160 HAHN AB DL
STATION

STATION NAME

53-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53							*	.0	.0	.0	.0	1.9	
54	1.6	1.5	.6	.3	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	2.7	2.7
55	2.2	5.2	7.3	TRACE	.1	.0	.0	.0	.0	TRACE	.2	1.1	7.3
56	1.9	2.4	.4	1.8	TRACE	.0	.0	.0	.0	6.4	1.1	1.2	6.4
57	3.4	1.5	.0	.6	.8	.0	.0	.0	.0	.0	.8	1.0	3.4
58	3.3	2.5	1.1	1.5	.0	.0	.0	.0	.0	.0	TRACE	3.0	3.3
59	2.1	TRACE	.0	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.7	2.1
60	2.0	3.9	.1	1.5	TRACE	.0	.0	.0	.0	.0	.1	9.2	9.2
61	5.7	1.2	1.1	.0	.0	.0	.0	.0	.0	.0	1.7	.1	5.7
62	.5	6.4	3.0	.5	.0	.0	.0	.0	.0	TRACE	6.0	4.0	6.4
63	2.4	2.7	1.4	.6	.0	.0	.0	.0	.0	.0	.0	1.5	2.7
64	* 3.7	2.0	2.4	TRACE	.0	.0	.0	.0	TRACE	TRACE	.0*	4.7	* 4.7
65	3.3	4.3	2.8	1.0	.0	.0	.0	.0	.0	.0	2.0	1.8	4.3
66	1.3	.3*	1.6*	TRACE	.0	.0	.0	.0*	.0	.0	4.9	2.1	4.9
67	1.8	.7	.5*	2.3*	TRACE	.0	.0	.0	.0	TRACE*	.2	2.0	* 2.3
68	7.0*	2.4	2.2	.5	TRACE	.0	.0	.0	.0	.0	1.0	5.0	7.0
69	2.0	6.3	1.2	2.3	TRACE	.0	.0	.0	.0	.0	2.0	2.1	6.3
70	5.8	4.1	8.0	1.5*	TRACE	.0	.0	.0	.0	TRACE	.4	3.1	
71	.5	.6	2.1	TRACE	.0	.0	.0	.0	.0	TRACE	4.0	.3	4.0
72	3.3	.2	1.5	TRACE	TRACE	.0	.0	.0	TRACE	.1	2.0	TRACE	3.3
73	.4	6.4	1.9	3.0	TRACE	.0	.0	.0	.0	TRACE	3.0	5.3	6.4
74	.1	1.4	2.5	.2	.1	.0	.0	.0	TRACE	2.0	.9	3.7	3.7
75	.2	.5	7.3	8.0	.1	TRACE	.0	.0	.0	.1	.4	.6	8.0
76	4.3	3.5	.5	.7	.0	.0	.0	.0	.0	.0	TRACE	2.6	4.3
77	4.7	.2	1.4	.7	.0	.0	.0	.0	.0	.0	1.6	2.5	4.7
78	2.8	5.0	2.3	.3	.0	.0	.0	.0	TRACE	TRACE	1.0	3.7	5.0
79	3.5	1.8	1.7	1.0	1.3	.0	.0	.0	.0	.0	1.5	4.0	4.0
80	* 3.2	.3	.5	1.0	.0	.0	.0	.0	.0	TRACE	3.7*	3.8	* 3.8
81	5.3	1.7	.9	12.2	TRACE	.0	.0*	.0	.0	TRACE	2.9	6.7	12.2
MEAN	2.76	2.47	2.00	1.51	.09	TRACE	.00	.00	TRACE	.30	1.47	2.66	4.91
S D	1.85	2.06	2.17	2.70	.29	.000	.000	.000	.000	1.23	1.62	2.11	1.89
TOTAL OBS	866	790	867	838	858	810	846	898	856	899	869	896	10293

NOTE * BASED ON LESS THAN FULL MONTHS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

1-16: HAHN AB DL

53-81

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						*	.0	.0	.0	.0	.0	5.7	
54	0.2	1.5	1.0	.4	TRACE	.0	.0	.0	TRACE	TRACE	TRACE	4.6	13.7
55	9.5	24.1	16.2	TRACE	.1	.0	.0	.0	.0	TRACE	.4	2.7	53.0
56	5.7	9.2	.6	3.8	TRACE	.0	.0	.0	.0	6.4	2.7	5.0	32.7
57	8.9	5.5	.0	.9	1.0	.0	.0	.0	.0	.0	.8	1.3	18.4
58	11.1	6.9	4.0	3.8	.0	.0	.0	.0	.0	.0	TRACE	6.5	32.3
59	11.8	TRACE	.0	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.7	12.5
60	8.1	9.1	.2	3.8	TRACE	.0	.0	.0	.0	.0	.1	16.8	38.1
61	11.5	3.9	1.6	.0	.0	.0	.0	.0	.0	.0	1.9	.1	19.0
62	1.6	18.7	11.6	.6	.0	.0	.0	.0	.0	TRACE	11.7	12.5	56.7
63	10.8	11.2	1.6	.7	.0	.0	.0	.0	.0	.0	.0	2.3	26.6
64	* 6.5	5.6	6.0	TRACE	.0	.0	.0	.0	TRACE	TRACE	.0*	13.7	* 31.8
65	16.6	18.3	5.4	1.0	.0	.0	.0	.0	.0	.0	8.1	7.5	56.9
66	5.1	.5*	5.7*	TRACE	.0	.0	.0	.0*	.0	.0	13.5	8.4	* 33.2
67	5.5	1.4	1.0*	.1*	TRACE	.0	.0	.0	.0	TRACE*	.2	6.3	* 18.5
68	23.2*	11.2	7.4	.5	TRACE	.0	.0	.0	.0	.0	2.2	23.5	68.0
69	4.2	33.4	3.6	5.0	TRACE	.0	.0	.0	.0	.0	4.2	10.3	60.7
70	14.2	24.5	19.2	5.2*	TRACE								
71	1.2	1.5	7.3	TRACE	.0	.0	.0	.0	.0	TRACE	9.8	.3	20.1
72	7.0	.3	2.8	TRACE	TRACE	.0	.0	.0	TRACE	.1	4.6	TRACE	15.7
73	1.8	28.6	2.4	8.2	TRACE	.0	.0	.0	.0	TRACE	5.0	10.0	56.0
74	.2	2.3	8.1	.3	.1	.0	.0	.0	TRACE	4.0	2.3	7.3	24.6
75	.4	.5	17.9	15.3	.1	TRACE	.0	.0	.0	.1	.6	1.2	36.1
76	7.3	5.1	.7	.7	.0	.0	.0	.0	.0	.0	TRACE	11.0	24.8
77	21.0	.2	2.0	1.9	.0	.0	.0	.0	.0	.0	7.0	3.9	36.0
78	12.0	20.0	7.5	.5	.0	.0	.0	.0	TRACE	TRACE	1.5	6.5	48.0
79	19.8	4.5	3.7	2.1	2.1	.0	.0	.0	.0	.0	1.5	8.6	42.3
80	* 8.0	.6	.6	3.2	.0	.0	.0	.0	.0	TRACE	5.5*	14.0	* 31.9
81	19.9	4.7	1.0	12.6	TRACE	.0	.0*	.0	.0	TRACE	5.1	35.8	* 79.1
MEAN	9.42	8.97	4.94	2.71	.13	TRACE	.00	.00	TRACE	.37	3.18	7.78	34.49
S. D.	6.605	9.838	5.518	3.932	.447	.000	.000	.000	.000	1.377	3.822	7.795	15.789
TOTAL OBS.	866	790	867	838	858	810	846	898	856	899	869	896	10293

NOTE * BASED ON LESS THAN FULL MONTHS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

100160 HAHN AB DL

53-81

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	57.1	12.2	4.8	5.1	7.6	14.3	5.2	.7						37.7	827			
FEB	54.5	13.8	7.8	5.6	1.8	7.9	6.8	1.6						31.6	730			
MAR	79.1	9.4	3.6	2.6	1.7	2.2	1.1	1.2						12.5	806			
APR	95.9	3.2	.2	.1		.4	.1							.9	810			
MAY	99.9	.1													858			
JUN	100.0														832			
JUL	100.0														868			
AUG	100.0														898			
SEP	100.0														856			
OCT	99.4	.2	.3											.3	899			
NOV	89.5	4.9	1.9	1.9	1.0	.6	.2							5.6	835			
DEC	67.4	12.3	7.4	5.3	3.9	7.7	2.9	.1						27.3	836			
ANNUAL	45.6	4.7	2.2	1.7	1.3	2.8	1.4	.3						9.7	10055			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

1 516. HAHN AB DL

53-81

1870-1914 OBSERVATION

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53							*					2	
54		7	1	1	0	0	0	0	0	0	0	1	7
55		3	22	21	0	0	0	0	0	0	TRACE	1	22
56		1	11	1	1	0	0	0	0	0	1	4	11
57		7	1	0	0	TRACE	0	0	0	0	1	TRACE	7
58		5	4	3	1	0	0	0	0	0	0	3	5
59		5	TRACE	0	0	0	0	0	0	0	0	1	5
60		5	6	TRACE	TRACE	0	0	0	0	0	0	10	10
61		6	1	0	0	0	0	0	0	0	0	1	6
62		1	0	5	TRACE	0	0	0	0	0	0	4	8
63		8	8	3	0	0	0	0	0	0	0	4	8
64	*				0	0	0	0	0	0	0		
65				0	0	0	0	0	0	0	0		
66			0	0	0	0	0	0	0	0	0	3	
67			0	0	0*	0	0	0	0	0	0	0	0
68	*	7*	0	0	0	0	0	0	0	0	0	2	7
69		8	17	2	TRACE	0	0	0	0	0	0	3	6
70		9	6	12	TRACE*	0*	0*	0	0	0	0	TRACE	8
71		6	TRACE	3	0	0	0	0	0	0	0	3	6
72		5	2	TRACE	0	0	0	0	0	0	0	2	5
73		TRACE	8	4	TRACE	0	0	0	0	0	0	4	7
74		TRACE	1	2	0	0	0	0	0	0	1	TRACE	4
75		0	TRACE	9	5	0	0	0	0	0	0	0	9
76		5	2	TRACE	TRACE	0	0	0	0	0	0	TRACE	4
77		7	TRACE	2	TRACE	0	0	0	0	0	0	3	2
78		3	9	2	TRACE	0	0	0	0	0	0	1	2
79		14	8	TRACE	0	0	0	0	0	0	0	0	4
80		4	TRACE	TRACE	0	0	0	0	0	0	0	7*	11
81		8	3	TRACE	7	0	0	0	0	0	0	2	14
MEAN	4.7	4.7	2.7	.5	TRACE	.0	.0	.0	.0	.1	1.4	3.4	8.7
S. D.	3.553	5.712	4.748	1.626	.000	.000	.000	.000	.000	.258	2.024	3.556	4.487
TOTAL OBS	827	730	806	810	858	832	868	898	856	899	838	836	10055

NOTE * (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

1-160 HAHN AB DL

59-81

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
59			SW 30W	35E	25N	24W	26W	29E	28S	37SE	28WSW	46		
60	W 34WSW	34W	30W	43ESE	32SW	24WSW	28W	24SW	24WNW	31W	39W	53	W 53	
61	SW 37NW	33W	32S	27W	29SSW	26W	30SW	32W	29SSW	38WSW	45SW	40	WSW 45	
62	SW 43W	44SE	37WSW	36WSW	31W	26W	29SW	33WSW	32SSW	24SE	24W	39	W 40	
63	SE 34ESE	20W	31S	25SW	22W	68E	25W	42W	32SE	25WSW	46ESE	29	W 68	
64	SE 25NNW	30ESE	26W	28NNW	25SSW	43W	35SW	34W	35WSW	51SW	44WSW	41	WSW 51	
65	SW 44NNW	30WSW	31WSW	28SW	33WSW	34W	24NNW	22SE	14	W	47SSW	53	SW 51	
66	W 40W	37SW	51SW	31WSW	50NNW	33SW	32W	28SW	30SW	32SW	50WSW	39	SW 51	
67	WSW 34W	56NW	40NNW	30W	46W	63WSW	40SW	29WSW	24WSW	51S	31SW	41	W 63	
68	WSW 42SSW	25WSW	44SW	73S	33SW	2623/	4024/	2929/	3322/	3111/	3228/	31	WSW 44	
69	26/ 3227/	3625/	3131*	3925*	3920/	2624/	5236/	3027/	3028/	2227/	5126/	31	24/ 52	
70	14*	4127/	4028/	3832/	3533*	16	22/	3326/	3525/	3626/	4724/	38		
71	21/ 4926/	4017/	3227/	3224/	3228/	3423/	3522/	5313/	2724/	4026/	4023/	41	22/ 53	
72	6/ 3125/	2527/	4426/	3424/	4025/	3222/	3123/	2927/	3013/	2924/	5623/	34	24/ 56	
73	26/ 2723/	4934/	2624/	4311/	3522/	3025/	2726/	3131/	3832/	3627/	3832/	39	23/ 49	
74	23/ 4726/	4423/	36 4/	2824/	3630/	3028/	3626/	3221/	3521/	3721/	4126/	42	23/ 47	
75	25/ 3413/	33 5/	3223/	35 7/	3826/	3118/	3625/	2525/	4126/	3224/	4622/	42	24/ 46	
76	25/ 6512/	3028/	27 8/	2322/	3326/	2728/	3210/	2826/	2622/	2221/	4624/	39	25/ 65	
77	24/ 3424/	3832/	3031/	3922/	3327/	3128/	2722/	2327/	2424/	3229/	5223/	39	29/ 52	
78	28/ 4512/	2922/	3927/	2722/	2825/	3223/	2924/	2725/	3627/	2425/	2425/	54	25/ 54	
79	34/ 4222/	3423/	4526/	3626/	4124/	2426/	2527/	2627/	2211/	3722*	3521*	48	21* 48	
80	24*	4525/	3930/	3726/	5310/	3124/	3224/	3528/	3023/	2923/	4025/	3926/	38	26/ 53
81	25/ 4226/	3526/	4728/	2629/	2630/	2422/	2125/	2521/	3428/	3835/	3725/	50	25/ 50	
MEAN	39.6	35.9	34.6	33.0	32.3	32.7	32.0	30.1	30.7	33.0	40.6	40.9	52.7	
S. D.	9.191	8.598	6.448	7.041	5.930	11.568	6.823	6.240	5.112	7.167	9.191	7.059	6.358	
TOTAL OBS.	666	611	703	675	662	651	658	678	646	670	673	689	7982	

NOTES * (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM 0-88-5 (OL1)

S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10160 STATION HAHN AB OL 73-81 73-81
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
JAN 0000-0200
MONTH HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	.2	.4	.7	.2								1.6	7.7
NNE	.2	.7	.4	.4								1.7	6.9
NE	.4	1.2	.1	.4								2.0	6.4
ENE	.1	.6	.8	.5								2.0	7.7
E	.4	1.7	1.8	.4								4.2	7.1
ESE	1.2	2.1	.7	1.0	.2							5.1	6.9
SE	1.7	3.3	3.9	4.1								13.0	8.0
SSE	1.0	1.9	1.8	.7	.1							5.5	6.8
S	.6	1.0	1.1	.5								3.1	6.6
SSW	.4	1.6	1.0	1.7								4.5	8.5
SW	.2	1.3	2.2	1.6								5.3	8.7
WSW	.5	2.2	3.3	2.8	.8	.4	.2					12.2	10.6
W	.7	5.3	9.2	3.3	.4		.1					19.0	8.5
WNW	.5	3.2	2.8	.6								7.1	7.0
NW	.1	.2	.8	.1								1.3	7.5
NNW	.4	.1	.1	.2								.8	6.7
VARBL		.2	4.2	3.0	.4	.1	.1					8.0	11.4
CALM												5.5	
	8.5	26.9	34.9	21.3	1.0	.5	.5					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

18160 HAHN AB DL 73-81 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0300-0500
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2		.7									1.0	6.9
NNE	.4	.6	.7	.2								1.9	6.4
NE		1.0	.6	.5								2.0	7.8
ENE	.1	.6	.4	.2								1.3	7.2
E	.2	1.8	1.7	.2								3.9	7.2
SSE	2.3	1.9	1.8	.7	.4							7.0	6.5
SE	2.0	3.0	4.7	2.5	.2							12.4	7.7
SSE	1.6	1.3	2.2	.7								5.7	6.3
S	.5	1.2	.6	.2								2.5	6.1
SSW	.1	.4	1.1	1.7								3.2	10.6
SW	.2	1.6	2.4	1.8	.2							6.2	8.9
WSW	.6	1.9	3.1	2.6	.5		.1					8.8	9.6
W	1.4	5.6	9.0	3.1	.8	.2	.2					20.4	8.6
WNW	1.1	2.2	2.0	1.0								6.2	6.6
NW	.2	1.1	.7	.7	.4							3.1	9.3
NNW	.2		.1									.4	4.7
VARBL		.1	4.1	3.5	.1	.1						7.9	11.2
CALM												5.9	
	11.2	24.1	35.7	19.7	2.6	.4	.4					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0160 STATION HAHN AB DL 73-81 YEARS JAN NORTH
CLASS ALL WEATHER
CONDITION 0600-0800 HOURS (LST)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.5	.8	.1								2.2	6.1
NNE		.5	.6	.1								1.2	7.4
NE	.1	.7	1.3	.1								2.3	7.2
ENE	.1		.2	.4								.7	9.8
E	.2	.5	1.3	.2								2.4	7.2
ESE	1.2	2.6	1.9	1.4								7.2	7.3
SE	1.4	2.0	5.6	2.2	1.0							12.2	8.6
SSE	1.7	2.2	2.2	1.1								7.0	6.3
S	.1	1.4	.7	.6								2.9	7.4
SSW	.6	.1	1.1	1.2	.2							3.2	9.7
SW	.7	1.6	2.2	2.6	.2	.1						7.4	9.4
WSW	1.3	1.9	4.8	1.4	.5							9.9	8.4
W	1.6	4.7	8.1	4.2	1.0	.1						19.6	8.9
WNW	1.0	1.9	2.5	.2								5.6	6.4
NW	.5	1.2	1.3	.7	.1							3.8	7.9
NNW			.5									.5	6.5
VARBL		.1	3.7	3.3	.4							7.5	11.3
CALM												4.4	
	11.1	22.1	38.8	21.0	3.3	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

JAN

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.6									1.9	5.7
NNE	.1	.6	.1	.1								1.0	6.1
NE	.6	.5	.1	1.0								2.2	8.1
ENE	.4	.7	.2	.2								1.6	6.3
E	1.0	1.3	1.7	1.3								5.3	7.6
ESE	.7	2.5	1.0	1.0								5.1	6.9
SE	1.4	2.9	5.4	3.6								13.3	8.2
SSE	1.4	2.3	2.2	1.3	.1							7.3	7.0
S	.6	.7	1.1	.6								3.0	7.6
SSW	.6	.4	.5	1.9								3.3	9.9
SW	.6	.7	2.0	1.8	.6							5.7	10.5
WSW	.6	1.9	4.1	1.4	.8							9.1	8.9
W	1.9	3.9	9.3	5.5	.1							20.8	8.6
WNW	1.3	1.7	2.6	.6								6.2	6.5
NW	.2	1.0	.8	.6								2.6	7.6
NNW	.1	.2		.4	.1							.8	11.4
VARBL			3.6	3.0	.4	.1						7.0	11.7
CALM												3.8	
	12.3	22.1	35.2	24.3	2.2	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6167 STATION HAHN AB DL STATION NAME 73-81 YEARS JAN MONTH
ALL WEATHER CLASS 1200-1400 HOURS (LST) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	.7	.2								2.2	6.4
NNE	.1	.5	.2									.8	5.0
NE	.1	.2	.4	.6	.1							1.4	10.3
ENE	.4	.4	.4	.4								1.4	6.4
E	.8	.8	1.2	1.6								4.4	8.1
ESE	.5	2.3	2.4	.8								6.0	7.4
SE	1.2	1.8	5.1	3.0								11.1	8.5
SSE	1.0	1.7	2.5	1.1								6.2	7.4
S	.5	1.2	.6	.5								2.7	6.8
SSW	.2	.6	1.1	1.3	.1							3.3	10.3
SW	.5	.7	2.7	2.2	.6							6.7	10.2
WSW	.7	.7	3.5	2.7	.5	.5						8.6	10.5
W	2.2	3.3	9.8	3.8	.2							19.4	8.4
WNW	.5	2.6	2.7	.1								6.0	6.7
NW	.5	1.1	2.2	.8								4.5	7.9
NNW	.1	.5	.6	.5								1.7	8.4
VARBL			5.1	2.7	.7	.7						9.3	12.1
CALM												4.2	
	9.7	19.1	41.2	22.3	2.3	1.2						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160 STATION HAHN AB DL 73-81 YEARS JAN MONTH
CLASS ALL WEATHER
CONDITION 1500-1700 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	.8	.7								3.0	7.2
NNE	.4	.6	.5	.2								1.7	6.4
NE	.4		.5	.7								1.6	9.5
ENE	.4	.4	.8	.4								1.9	7.2
E	.2	1.0	1.4	1.3								4.0	8.2
ESE	1.0	1.9	2.5	.8	.4							6.5	7.7
SE	.8	3.5	3.4	2.8	.1							10.5	8.0
SSE	.8	1.6	2.0	.4								4.8	6.8
S	1.0	1.2	1.4	.6								4.2	6.6
SSW	.1	.5	1.1	2.3								4.0	10.8
SW	.2	1.4	3.1	2.2	.1							7.1	9.5
WSW	.8	2.4	3.6	2.6	.5							9.9	9.0
W	1.7	4.4	7.2	4.0	.2							17.5	8.3
WNW	1.0	1.8	2.9	.4		.2						6.2	7.5
NW	.2	1.0	1.3	.4								2.9	7.4
NNW	.2	.4	.6	.2								1.4	7.0
VARBL		.2	3.1	4.1	1.0	.4	.1					8.9	12.7
CALM												4.1	
	9.7	23.0	36.3	24.0	2.3	.6	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 16160 STATION NAME HAHN AB DL YEARS 73-81 MONTH JAN
CLASS ALL WEATHER HOURS (LST) 1800-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.5	.5								1.6	8.2
NNE	.4	.4		.2								1.0	6.8
NE	.6	1.2	.8	.4								3.0	6.1
ENE	.2	.4	1.4	.1								2.2	7.7
E	.4	1.3	1.6	.6								3.8	6.9
ESE	.6	1.7	2.2	1.2	.4							6.0	8.6
SE	.5	2.6	4.3	2.4	.1							9.9	8.2
SSE	2.2	1.3	2.3	.7								6.5	6.0
S	.6	1.7	1.6	.7								3.8	7.4
SSW	.5	1.3	1.6	1.4	.5	.1						5.4	9.5
SW	.4	1.7	2.6	1.7	.4	.2						6.9	9.4
WSW	.7	2.3	3.0	2.7	.5		.1					9.3	9.5
W	1.0	4.7	7.0	3.2	.4							16.2	8.2
WNW	1.0	2.5	4.4	.6	.1	.1						8.7	7.4
NW	.1	.5	.6	.1								1.3	7.0
NNW	.4	.1	.1	.1								.7	5.7
VARBL			3.7	3.0	.7	.1						7.5	11.5
CALM												6.2	
	9.4	23.3	37.6	19.7	3.0	.6	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160 PAHN AB DL 73-81 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.6	.2								1.7	6.7
NNE	.5	.8	.4									1.7	4.8
NE	.4	.4	.6	.4								1.7	7.1
ENE	.4	.8	1.2									2.4	6.6
E	.2	1.0	2.2	.7								4.1	8.1
ESE	1.4	1.6	1.8	.6	.1							5.5	6.6
SE	2.0	2.5	5.4	2.4	.1							12.4	7.8
SSE	1.3	1.6	2.6	.6								6.1	6.7
S	.7	.8	1.0	1.2								3.7	7.7
SSW	.4	1.3	1.7	.8	.1							4.3	8.0
SW	.5	1.4	2.3	1.9	.5	.2	.2					7.0	10.6
WSW	.7	2.9	3.2	1.9	.7	.5						9.9	9.7
W	1.6	6.2	8.7	2.7	.4							19.6	7.7
WNW	.4	2.6	1.8	.7	.2							5.7	7.6
NW	.1	.2	.7	.4								1.4	9.1
NNW		.1										.1	4.0
VARBL			3.6	4.1	.1							7.8	11.3
CALM												4.9	
	11.0	24.6	37.6	18.6	2.3	.7	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.7	.3								1.9	6.8
NNE	.3	.6	.4	.2								1.4	6.2
NE	.3	.6	.6	.5	.0							2.0	7.6
ENE	.3	.5	.7	.3								1.7	7.2
E	.4	1.2	1.6	.8								4.0	7.6
ESE	1.1	2.0	1.8	.9	.2							6.1	7.2
SE	1.4	2.7	4.7	2.9	.2							11.9	8.1
SSE	1.4	1.7	2.2	.8	.0							6.1	6.7
S	.6	1.1	1.0	.6								3.2	7.1
SSW	.4	.8	1.1	1.5	.1	.0						3.9	9.6
SW	.4	1.3	2.4	2.0	.3	.1	.0					6.5	9.7
WSW	.8	2.0	3.6	2.3	.6	.2	.1					9.5	9.5
W	1.5	4.8	8.5	3.7	.4	.0	.0					19.1	8.4
WNW	.8	2.3	2.7	.5	.0	.0						6.5	7.0
NW	.3	.8	1.1	.5	.1							2.6	8.0
NNW	.2	.2	.3	.2	.0							.8	7.7
VARBL		.1	3.9	3.3	.5	.2	.0					8.0	11.7
CALM												4.9	
	10.4	23.2	37.2	21.2	2.5	.5	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

6693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16167 STATION HAHN AB DL 73-81 YEARS FEB SOUTH
ALL WEATHER CLIM 3000-0200 HOURS (LST)
CONDITION

SPEED DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	.4	.3								2.8	5.4
NNE	.3	.9	1.3									2.5	6.5
NE	.1	1.4	2.4									3.9	6.9
ENE	.3	1.4	2.6	.4								4.7	7.4
E	.6	1.3	1.8	1.3	.3							5.5	8.6
ESE	2.8	2.5	2.5	2.2	.4							10.4	7.4
SE	.7	5.1	6.0	2.8	.1							14.7	8.0
SSE	.9	3.4	1.7	.3								6.3	6.0
S	.4	.7	.5	.4	.1							2.1	7.9
SSW		.7	1.0	.7								2.4	8.8
SW	.1	.8	1.7	.9	.5	.1						4.2	10.4
WSW	.9	1.3	1.4	2.0	.3		.1					6.0	9.6
W	1.3	4.9	6.0	3.1	.5							15.9	8.1
WNW	.4	2.9	1.6	.1								5.0	6.1
NW	.8	.8	.4	.1								2.1	5.4
NNW	.4	.1										.5	2.5
VARBL			.8	1.8	.5							3.1	12.6
CALM												7.9	
	10.8	29.7	32.3	16.4	2.8	.1	.1					100.0	7.2

TOTAL: NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160 STATION 106160 MAHN AB DL STATION NAME 73-81 YEARS FEB MONTH
ALL WEATHER CLASS 0300-0500 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	.9	.3								2.6	6.2
NNE	.4	.8	1.3	.7								3.1	7.5
NE		2.0	1.2	.4								3.5	7.2
ENE	.5	.5	1.8	.4								3.3	7.4
E	.7	1.3	2.2	.8	.3							5.2	7.9
ESE	2.4	2.6	2.4	3.7	.3							11.3	8.1
SE	1.0	3.4	8.4	1.7	.4							15.0	7.9
SSE	.4	1.4	2.4	.7								4.9	7.2
S	.1	.5	.8	.4								1.8	7.9
SSW	.1	.1	1.2	.5								2.0	9.9
SW	.3	.3	1.6	1.0	.7							3.8	11.0
WSW	1.0	1.3	3.9	1.7	.3							8.3	8.7
W	2.2	4.5	6.2	3.5	.1	.1						16.7	7.7
WNW	.7	1.7	1.4	.4	.1							4.3	6.8
NW	.8	.5		.1								1.4	4.2
NNW	.4		.3	.3								.9	7.0
VARBL			1.6	1.8	.3	.1						3.8	12.3
CALM												8.0	
	11.8	21.7	37.5	18.4	2.4	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

176160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	.3	.1								2.4	4.1
NNE	.3	.7	2.4	.5	.1							3.9	8.4
NE	.3	.7	1.7	.4								3.0	7.8
ENE	.5	.8	1.4	.4								3.1	7.3
E	.9	1.7	2.4	1.0	.3							6.3	7.7
ESE	.9	3.4	1.7	2.9	.1							9.1	7.9
SE	1.7	3.9	6.8	3.3	.1							15.9	8.0
SSE	.5	1.7	2.9	1.0								6.2	7.5
S	.3	.4	.3	.4	.1							1.4	8.5
SSW	.5	.4	1.2	.3								2.4	7.4
SW	.1	1.7	1.2	.9								3.9	8.0
WSW	.8	1.6	2.6	1.0	.5							6.6	8.5
W	2.4	4.3	5.5	2.4	.5	.1						15.2	7.6
WNW	1.2	1.3	2.0	.4								4.9	6.5
NW	.4	.5	.7	.4								2.0	7.4
NNW		.1	.1	.7								.9	10.9
VARBL			3.0	2.4	.8	.1						5.9	11.5
CALM												7.0	
	11.9	24.0	36.1	18.5	2.2	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL 73-81 YEAR FEB MONTH 0900-1100 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	1.7	.1								3.5	5.6
NNE	.5	.8	2.0	.4								3.7	7.4
NE		.4	1.7	.4								2.5	8.7
ENE	.3	.8	2.0	.8								3.8	8.2
E	.7	1.6	2.8	1.6	.4							7.0	8.7
ESE	1.4	2.9	1.4	3.1	.8							9.7	8.9
SE	1.8	.3	6.4	5.5	.1	.1						18.4	8.5
SSE	.7	1.7	2.5	.4								5.2	6.8
S	.7	.9	1.0	.4	.1							3.1	7.4
SSW	.1	.4	.8	.8		.1						2.2	10.1
SW		.5	1.6	1.4	.3							3.8	10.8
WSW	.5	1.3	2.2	.7	.4							5.1	8.8
W	.9	3.8	6.8	1.8	.5							13.9	8.2
WNW	.5	1.7	2.2	.1								4.6	6.4
NW	.4	.9	1.2	.4								2.9	7.4
NNW	.1	.4	.4	.4								1.3	8.4
VARBL			3.0	1.8	.7							5.5	11.6
CALM												3.7	
	9.4	24.0	39.1	20.2	3.3	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL STATION NAME 73-81 YEARS FEB MONTH 1200-1400 HOURS L.L.S.T.
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.7	1.6	.1								4.5	5.9
NNE	.1	2.0	2.1	.3								4.5	7.1
NE	.1	.3	1.8	.8								3.0	8.6
ENE		.5	2.0	.8								3.3	9.0
E	.5	1.4	1.8	1.8	.3							5.9	9.2
ESE	1.0	2.9	2.9	3.5	.7	.3						11.3	9.5
SE	.7	4.1	7.6	3.1	.1							15.6	8.5
SSE	.3	1.2	3.8	.5								5.8	7.8
S	.3	.3	.3	.5								1.3	8.6
SSW	.1	.5	.1	.3	.1							1.2	9.0
SW		.1	1.8	1.4	.3	.1						3.8	11.2
WSW	.3	1.3	2.4	2.2	1.0							7.0	10.8
W	.9	4.3	7.3	2.2	.3							15.1	8.2
WNW	.3	1.2	1.3	.3								3.0	7.0
NW	.9	.9	1.4	.1								3.4	6.0
NNW	.4	.5	1.3	.5								2.8	8.0
VARBL		.1	4.1	2.9	.5							7.6	11.0
CALM												1.0	
	6.7	23.4	43.7	21.5	3.3	.4						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL 73-81 YEARS FEB MONTH 1500-1700 HOURS (L & T)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	1.8	.9								2.5	7.0
NNE	.3	1.7	2.4	.5								4.9	7.4
NE	.1	1.0	2.8									3.9	7.3
ENE	.3	.7	2.1	1.3								4.3	8.9
E	.4	.4	1.3	2.1								4.2	10.1
ESE	.7	3.0	3.8	2.0	.9							10.4	8.8
SE	.9	3.5	7.9	2.2	.3							14.8	7.9
SSE	.3	2.0	2.5	.4								5.1	6.8
S	.5	1.0	.3	.5								2.4	6.8
SSW	.4	1.2	.5	1.2								3.3	8.0
SW		.7	1.3	1.2	.3	.3						3.7	11.7
WSW	.1	.8	2.6	2.1		.1						5.8	10.0
W	1.6	4.2	5.5	3.1	.4							14.8	8.0
WNW	.8	1.3	.5	.5								3.1	6.1
NW	.1	1.0	1.7	.4								3.3	7.6
NNW	.1	.5	.5	.1								1.3	6.9
VARBL			3.1	2.6	.1							5.9	10.7
CALM												3.3	
	7.0	25.5	40.7	21.3	2.0	.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 762

GLCBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	1.6	.1								5.2	5.5
NNE	.1	1.6	1.6									3.3	6.4
NE	.3	2.0	1.3	.3								3.8	6.4
ENE	.3	.9	2.4	.3								3.8	7.8
E	.5	1.8	1.6	1.3	.1							5.4	8.0
ESE	2.0	2.4	3.1	2.0	.3							9.7	7.4
SE	2.2	3.8	6.7	1.8	.1							14.7	7.1
SSE	1.4	3.0	2.4	.1								7.0	5.8
S	.9	1.4	1.3	.3								3.9	5.7
SSW		1.0	.8	.9	.3	.1						3.1	9.9
SW	.3	.9	.7	.7	.4	.3						3.1	10.7
WSW	.7	1.3	1.6	1.8	.1	.4						5.9	9.5
W	1.4	3.3	5.1	3.3	.3							13.4	8.2
WNW	.5	1.7	1.3	.3								3.8	5.9
NW	.4	1.0	.7	.1								2.2	6.0
NNW	.1	.1	.3									.5	6.0
VARBL			2.1	1.3	.4							3.8	11.1
CALM												7.2	
	12.3	28.7	34.4	14.6	2.0	.8						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17E160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.9	.1								2.8	5.8
NNE		1.3	1.3									2.6	6.5
NE	.9	1.4	1.7	.5								4.5	6.6
ENE	.1	.9	2.5	.4								3.9	8.0
E	1.2	2.0	1.6	1.0	.7							6.4	8.0
ESE	1.3	3.4	2.0	1.6	.7	.1						9.1	8.0
SE	.9	4.5	7.1	3.3	.1							15.9	7.9
SSE	1.6	3.0	1.8	.5								7.0	5.8
S	.8	1.2	.4	.5								2.9	5.9
SSW	.4	.8	1.2	.4	.3	.1						3.1	9.3
SW	.5	1.2	.9	.9	.5	.4						4.5	10.4
WSW		1.2	1.6	1.6	.3							4.6	9.6
W	1.6	3.8	6.3	2.9	.5							15.1	8.2
WNW	.5	2.4	.5	.1								3.5	5.1
NW	.5	.7	.4	.1								1.7	5.8
NNW	.3	.5	.1									.9	4.1
VARBL			2.1	1.4		.1						3.7	11.4
CALM												7.9	
	11.2	29.3	32.4	15.5	3.0	.8						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106100
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.5	1.1	.3								3.7	5.8
NNE	.2	1.2	1.8	.3	.0							3.6	7.2
NE	.4	1.1	1.8	.3								3.5	7.3
ENE	.3	.8	2.1	.6								3.8	8.0
E	.7	1.4	1.9	1.4	.3							5.7	8.5
ESE	1.6	2.9	2.5	2.6	.5	.0						10.1	8.3
SE	1.2	4.1	7.1	3.0	.2	.0						15.6	8.0
SSE	.8	2.2	2.5	.5								5.9	6.7
S	.5	.8	.6	.4	.0							2.4	7.0
SSW	.2	.6	.9	.6	.1	.0						2.5	9.0
SW	.2	.8	1.3	1.1	.4	.1						3.9	10.5
WSW	.5	1.2	2.3	1.6	.4	.1	.0					6.2	9.4
W	1.5	4.1	6.1	2.8	.4	.0						15.0	8.0
WNW	.6	1.8	1.4	.3	.0							4.0	6.2
NW	.5	.8	.8	.2								2.4	6.4
NNW	.2	.3	.4	.2								1.1	7.3
VARBL		.7	2.5	2.0	.4	.0						4.9	11.4
CALM												5.7	
	10.1	25.8	37.0	18.3	2.6	.4	.0					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

6096

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 61671 STATION NAME HAHN AB DL YEARS 73-81 MONTHS MAR
CLASS ALL WEATHER HOURS (LST) 0000-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	1.0	.6								4.1	6.2
NNE	.6	.7	1.2									2.5	5.6
NE	.1	.8	2.0	.4	.1							3.5	7.9
ENE	.4	1.0	1.3									2.6	6.4
E	.6	2.6	.6	.8								4.7	6.6
ESE	1.8	1.8	1.6	.2								5.4	5.4
SE	2.9	3.6	2.5	.7								9.7	5.7
SSE	1.4	1.4	2.0	.4								5.3	6.2
S	.5	.4	.8	1.1								2.7	8.4
SSW	.5	.7	2.6	1.3	.1							5.3	8.8
SW	.7	2.3	2.3	.8								6.1	7.1
WSW	.8	3.0	3.6	1.8	.6	.1	.1					10.0	8.8
W	2.2	6.0	6.5	2.9	.1							17.6	7.3
WNW	1.1	1.6	.8	.4								3.8	5.7
NW	.8	1.2	.5	.4								2.9	5.8
NNW	.5	1.0	.5									1.9	5.3
VARBL			1.7	1.1	.4							3.1	11.3
CALM												9.0	
	15.9	29.4	31.4	12.8	1.3	.1	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION NAME HAMN AB DL 73-81 YEARS MAR MONTH
ALL WEATHER CLASS 0300-0500 HOURS (LST)
CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.0	.9								3.6	5.9
NNE	.2	1.0	.8	.1								2.2	6.7
NE	.7	1.3	1.7		.2							3.9	6.8
ENE	.1	.8	1.7		.1							2.7	7.6
E	1.2	1.3	.6	.6								3.7	5.5
ESE	1.8	3.0	1.3	.6								6.7	5.4
SE	2.6	3.8	3.1	.8								10.4	5.8
SSE	1.0	1.9	1.4	.5								4.8	6.2
S	.5	.6	.8	.7								2.6	7.8
SSW	.5	.8	1.0	1.8	.2							4.3	9.7
SW	.4	2.3	2.9	.8	.2							6.6	7.9
WSW	1.7	2.3	2.9	2.2	.5	.2						9.7	8.5
W	1.4	7.3	4.9	2.0	.5							16.1	7.1
WNW	1.0	1.4	1.7	.1								4.2	5.8
NW	.8	1.7	1.0	.1								3.6	5.4
NNW	.6	.5	.7	.2								2.0	6.5
VARBL			2.5	1.3	.6	.1						4.5	11.8
CALM												8.4	
	15.5	31.2	29.9	12.3	2.4	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 6160 NAME HAHN AB DL YEARS 73-81 MONTH MAR
CLASS ALL WEATHER HOURS (L & T) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	1.1	.7	.1							4.1	7.4
NNE	.2	1.1	1.0									2.3	5.6
NE	.6	1.2	1.7	.2	.1							3.8	7.2
ENE	.7	.7	1.6	.1	.2							3.3	7.4
E	.4	.6	.8	.7								2.5	7.8
ESE	2.2	3.3	1.6	.6								7.7	5.3
SE	2.2	4.4	3.3	.5								10.4	5.8
SSE	1.2	1.2	2.9	1.0								6.2	7.3
S	.8	.4	.1	.5								1.8	5.8
SSW	.4	1.3	1.2	.6								3.5	7.4
SW	.6	1.4	1.7	2.2	.2	.2						6.3	9.8
WSW	1.3	4.3	1.9	1.7	.5							9.7	7.6
W	2.3	5.9	5.1	2.3	.8							16.4	7.5
WNW	1.9	1.8	1.0	.5								5.1	5.6
NW	.5	.7	1.0	.4								2.5	6.9
NNW	.4	.5	.7	.2								1.8	7.3
VARBL		.1	2.8	2.3		.1						5.3	10.8
CALM												7.3	
	15.9	30.7	29.3	14.4	2.0	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 616C HAMN AB DL 73-81 MAR
STATION STATION NAME YEARS MONTH
ALL WEATHER 3900-1100
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	1.2	.5								3.0	6.8
NNE	.6	1.2	1.7	.5								3.9	7.1
NE	.8	.5	1.4	.8	.1							3.7	8.1
ENE	.6	1.0	1.7	.7								3.9	7.6
E	.5	.7	2.0	.7								3.9	7.5
ESE	1.3	2.2	2.0	1.3	.1							6.9	7.4
SE	1.4	3.0	4.4	1.7								10.5	7.4
SSE	1.7	2.2	2.3	.4								6.5	6.0
S	.2	.8	.8	.7	.1							2.7	8.7
SSW	.1	.2	.8	.7	.5							2.4	11.2
SW	.1	1.2	2.4	2.7	.2	.1						7.0	10.1
WSW	.6	2.3	2.6	2.5	.4	.4	.2					9.0	10.3
W	1.6	3.9	5.6	3.9	.6							15.7	8.5
WNW	1.8	2.9	1.8	.1								5.7	5.3
NW	.4	1.7	1.7	.1								3.8	6.4
NNW	.7	.6	.5	.4								2.2	6.5
VARBL		.1	2.9	3.5	.8							7.3	11.9
CALM												1.8	
	13.3	24.3	35.8	21.3	2.9	.5	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 HAHN AB DL 73-81 MAR

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	1.6	.1								5.0	5.7
NNE	.4	.8	1.2	.5								2.9	7.6
NE	.2	1.0	.6	1.4	.1							3.3	9.5
ENE	.1	.6	1.7	.4								2.7	8.3
E	.5	1.2	2.4	.1								4.2	7.2
ESE	.6	1.6	1.1	1.3								4.5	7.7
SE	.7	1.9	3.2	1.4	.1							7.4	8.1
SSE	.5	1.0	2.2	.2	.1							3.9	7.5
S	.1	1.7	2.4	.4	.4							4.9	8.1
SSW	.4	.5	1.1	1.3	.5							3.7	11.0
SW	.2	1.4	1.3	2.3	.6	.1						6.0	10.9
WSW	.4	1.8	2.6	3.8	.6		.1					9.3	10.5
W	1.2	4.1	4.3	4.1	.2		.1					14.0	8.7
WNW	.8	2.6	1.9	.2								5.6	5.9
NW	.7	1.6	1.6	.2								4.1	6.1
NNW	.2	1.3	.8	.1								2.5	5.9
VARBL		.5	8.1	4.1	.5	.2	.1					13.5	10.8
CALM												2.4	
	8.0	25.2	38.0	22.0	3.1	.4	.4					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION NAME HAHN AB DL YEARS 73-81 MONTH MAR
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.3	.1								5.3	6.3
NNE		1.9	2.4	.2	.1							4.7	7.6
NE	.1	.4	1.0	1.1	.1							2.6	10.1
ENE	.2	.6	1.8	.5								3.1	8.0
E	.6	.7	1.9	.6								3.8	7.7
ESE	.2	1.7	2.2	.7								4.8	7.5
SE	.8	2.9	2.0	.6								6.3	6.5
SSE	.6	1.4	1.9	.4								4.3	6.7
S	.6	1.7	1.8	.2	.1							4.4	7.1
SSW	.4	.7	1.2	1.8	.2	.2						4.5	10.7
SW	.2	1.2	3.5	1.8	.2	.1						7.0	9.9
WSW	.7	1.9	3.1	1.9	1.1							8.7	9.4
W	1.0	5.4	4.3	3.2	.6	.2		.1				14.8	8.6
WNW	.6	2.2	.7	.2								3.7	5.6
NW	1.2	1.7	1.7	.7								5.3	6.7
NNW	.6	1.0	1.3	.4								3.2	6.9
VARBL		.2	5.5	4.9	.8							11.5	11.2
CALM												1.9	
	8.6	27.6	38.5	19.4	3.3	.6		.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS MAR MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	2.3	.2								5.7	5.8
NNE	.1	2.2	1.1	.2	.1							3.7	6.6
NE	.5	1.2	.8	.1								2.6	6.0
ENE	1.0	1.3	2.4	1.3								6.0	7.4
E	.8	2.3	1.7									4.8	5.7
ESE	1.1	1.9	1.9									4.9	6.0
SE	1.4	3.2	1.8	.8								7.3	6.2
SSE	1.1	2.4	1.4									4.9	5.5
S	1.2	2.0	2.4	.7								6.3	6.6
SSW	1.0	2.5	1.8	1.2	.1							6.6	7.2
SW	.6	1.6	2.5	1.2	.5	.2						6.6	9.5
WSW	.5	2.6	2.5	1.3								6.9	7.7
W	1.9	4.3	3.0	2.0	.2	.2						11.7	7.4
WNW	1.1	1.8	.7	.2								3.8	5.3
NW	.8	1.9	.7	.7								4.2	6.3
NNW	.8	.6	.5	.1								2.0	5.1
VARBL	.1		1.9	1.9		.1						4.1	11.1
CALM												7.9	
	15.2	33.8	29.4	12.2	1.0	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6167
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

MAR
MONTH

ALL WEATHER

CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.9	2.2	.1								5.6	5.6
NNE	.5	1.0	1.2	.4								3.0	6.7
NE	.7	.8	.8	.4								2.7	6.4
ENE	.4	.7	2.0	.6								3.7	7.7
E	1.0	1.9	1.3	.5								4.7	6.3
ESE	1.4	1.7	1.3	.2								4.7	5.3
SE	3.2	2.3	3.0	.7								9.2	5.8
SSE	1.3	2.6	1.7	.5								6.1	5.8
S	1.2	1.4	2.2	1.2								6.0	7.4
SSW	.6	.6	1.7	.7	.1							3.7	8.0
SW	1.3	1.7	1.8	.8	.2							5.9	7.4
WSW	.6	1.1	4.5	3.1								9.3	9.3
W	2.0	7.3	4.1	1.6	.4							15.3	6.7
WNW	.8	1.3	1.4	.4	.2							4.2	6.9
NW	.8	.6	.4	.2								2.0	5.2
NNW	.2	.5	.2	.1								1.1	6.1
VARBL		.4	1.4	1.2	.4							3.3	11.1
CALM												9.6	
	17.6	27.7	31.2	12.7	1.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 YEARS MAR MONTH
ALL WEATHER CLASS ALL HOUR (LST) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	1.6	.3	.0							4.5	6.1
NNE	.3	1.2	1.3	.2	.0							3.1	6.8
NE	.5	.9	1.3	.6	.1							3.3	7.7
ENE	.4	.8	1.8	.4	.0							3.5	7.5
E	.7	1.4	1.4	.5								4.0	6.7
ESE	1.3	2.1	1.6	.6	.0							5.7	6.2
SE	1.9	3.1	2.9	.9	.0							8.9	6.4
SSE	1.1	1.8	2.0	.4	.0							5.2	6.3
S	.6	1.1	1.4	.7	.1							3.9	7.5
SSW	.5	.9	1.4	1.2	.2	.0						4.2	9.0
SW	.6	1.6	2.3	1.6	.3	.1						6.4	9.1
WSW	.8	2.4	3.0	2.3	.4	.1	.1					9.1	9.0
W	1.7	5.5	4.7	2.7	.4	.1	.0	.0				15.2	7.7
WNW	1.1	1.8	1.3	.3	.0							4.5	5.7
NW	.8	1.4	1.0	.4								3.5	6.2
NNW	.5	.7	.7	.2								2.1	6.2
VARBL	.0	.2	3.3	2.5	.4	.1	.0					6.6	11.2
CALM												6.0	
	13.7	28.8	32.9	15.9	2.2	.4	.1	.0				170.0	7.1

TOTAL NUMBER OF OBSERVATIONS 6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 YEARS APR NORTH
CLASS ALL WEATHER
HOURS (LST) 0000-0200

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.1	2.3	.6								9.9	5.5
NNE	1.3	3.7	1.6									5.6	5.2
NE	1.1	1.1	.7	.1								3.1	5.0
ENE	.7	1.2	2.0	.1								4.1	6.3
E	3.3	3.1	1.1	.1								7.7	4.3
ESE	3.6	1.2		.1								4.9	3.1
SE	3.1	2.6	1.7	.5								7.9	5.0
SSE	1.3	.9	.5									2.3	4.4
S	.1	.7	.1	.1								1.1	5.8
SSW	.1	.7	1.0	.1								2.0	6.9
SW	.1	.6	.7	.9	.1							2.5	9.2
WSW	1.4	2.7	1.7	.6	.1							6.6	6.4
W	2.5	5.7	4.7	.2	.2	.1						12.7	5.9
WNW	1.5	3.6	1.7	.4								7.2	5.5
NW	1.6	1.7	1.4	.2	.1							5.1	5.8
NNW	1.5	2.1	.2	.2								4.1	4.6
VARBL		.1	1.1	.4								1.6	9.7
CALM												11.7	
	25.5	35.2	22.0	4.8	.6	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 879

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0167 STATION HAHN AB DL 73-81 APR
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.7	3.1	.4								10.6	5.6
NNE	.6	2.2	1.7	.2								4.8	6.2
NE	.1	2.0	1.4	.4								3.8	6.6
ENE	.2	1.6	1.2	.4								3.5	6.5
E	2.1	2.5	.5									6.0	3.8
ESE	4.8	1.7										6.5	2.9
SE	1.9	3.7	2.2	.4								8.1	5.7
SSE	1.4	1.5	1.2									4.1	4.6
S	.2	.5	.6									1.4	5.7
SSW	.2	.4	.4	.1								1.4	6.6
SW	.1	.5	1.4	.9								2.8	9.1
WSW	.7	2.5	1.2	.7								5.2	6.6
W	2.5	7.7	5.6	1.1	.1							16.9	6.4
WNW	1.5	2.6	2.0	.5		.1						6.7	6.4
NW	1.1	2.1	.9	.2								4.3	5.2
NNW	.9	1.5	.2									2.6	4.6
VARBL		.1	.7	.2								1.1	9.3
CALM												10.4	
	21.9	37.7	24.3	5.6	.1	.1						170.0	5.1

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL STATION NAME 73-81 YEARS APR MONTH
ALL WEATHER CLASS 3600-0800 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.4	3.1	.6								10.4	5.9
NNE	.5	2.7	2.6	.1								5.9	6.2
NE	.6	1.2	1.4	.5								3.7	6.9
ENE	.2	2.3	1.6	.4								4.6	6.9
E	.7	2.5	1.0	.1								4.3	5.5
ESE	3.7	4.7	1.4	.1								9.9	4.3
SE	1.6	3.3	2.8	.6								8.4	6.0
SSE	.6	1.6	1.4									3.6	6.0
S	.7	.4	.2									1.4	4.1
SSW		.1	.2	.4								.7	9.0
SW	.1	.2	1.0	.5	.2							2.1	9.8
WSW	.1	1.6	2.1	.9								4.7	7.7
W	1.6	5.1	6.4	1.5	.4							14.9	7.4
WNW	1.2	3.8	2.1	.1	.1							7.4	5.9
NW	1.0	2.1	1.6									4.7	5.6
NNW	1.4	1.4	.7									3.5	4.6
VARBL			1.0	.9								1.9	10.7
CALM												8.0	
	16.4	37.5	30.6	6.7	.7							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 106160 NAME HAHN AB DL YEARS 73-81 MONTH APR
CLASS ALL WEATHER HOURS (LST) 0900-1100
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.1	3.3	.5	.1							9.5	6.2
NNE	.7	2.1	3.3	1.1								7.3	7.5
NE	.2	.9	3.0	.7								4.8	8.0
ENE	.2	.5	1.7	1.0								3.5	9.0
E	.7	2.0	2.8	.6								6.2	6.9
ESE	1.4	4.4	2.1	.6								8.5	6.1
SE	.6	1.6	3.6	.6								6.4	7.4
SSE	.1	.9	1.4	.5								2.8	7.5
S	.4	.4	.4	.2								1.4	6.4
SSW	.2	.2	.1	.1								.7	6.0
SW		.4	1.2	.7	.4							2.7	10.5
WSW	.2	.4	1.1	1.1	.2	.1						3.2	10.5
W	.6	4.8	6.5	3.1	.1	.1						15.3	8.3
WNW	.7	3.0	1.6	.6	.1							6.0	6.6
NW	.6	2.8	2.0									5.4	5.9
NNW	1.4	1.9	1.2	.5								4.9	5.8
VARBL			6.0	2.6	.2							8.9	10.2
CALM												2.3	
	9.8	30.2	41.5	14.7	1.2	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	3.7	.9	.1							8.3	7.2
NNE	.1	2.5	2.8	.7								6.2	7.5
NE	.5	.7	1.6	.9								3.7	8.1
ENE	.4	.6	1.9	1.0								3.8	8.5
E	.2	1.9	2.5	.5								5.1	7.5
ESE	.7	2.0	1.6	.9								5.2	6.7
SE	.7	1.6	2.2	.4								4.9	6.8
SSE	.6	.6	1.2	.1								2.6	6.3
S	.4	.6	.6	.1								1.7	6.3
SSW	.6	.9		.7								2.2	6.9
SW		.5	.6	.4	.2	.2						2.0	12.0
WSW	.1	.9	1.6	1.7								4.3	9.3
W	.7	3.1	5.9	2.0	.5							12.2	8.7
WNW	.7	2.2	1.9	.4								5.2	6.3
NW	.2	2.1	2.0	.6	.4							5.3	7.9
NNW	.7	2.5	2.3	.6	.1							6.3	7.1
VARBL		.2	14.0	5.3	.2							19.8	9.7
CALM												1.2	
	8.0	25.3	46.4	17.2	1.6	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION MAHN AB DL 73-81 YEARS APR NORTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	4.2	2.0								12.0	7.8
NNE	.5	3.0	3.8	.6								7.9	7.3
NE	.1	1.2	2.6	1.6								5.6	8.8
ENE	.1	1.0	1.6	1.9								4.6	8.9
E	.7	2.5	1.4	.4								4.9	6.2
ESE	1.0	2.3	2.0	.2								5.6	6.2
SE	.6	.7	1.4	.1								2.8	6.3
SSE	.9	1.2	.7	.1								3.0	4.9
S		.9	1.2	.1								2.2	7.2
SSW		.4	1.0	.1	.1							1.6	8.8
SW	.2	.9	.1	.7								2.0	7.8
WSW	.2	2.3	2.2	.5		.1						5.4	7.4
W	.5	4.0	4.9	2.1								11.5	7.9
WNW	.4	1.6	1.2	.1								3.3	6.3
NW	.4	1.2	2.1	1.1	.5							5.3	9.2
NNW	.6	1.7	1.5	1.1	.2							5.2	8.0
VARBL		.2	11.4	4.2	.1	.1	.1					16.2	9.9
CALM												3.0	
	6.9	28.4	43.3	17.0	1.0	.2	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

APR

MONTH

ALL WEATHER

CLASS

1800-2000

HOURLS (L E T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	5.1	4.4	.9								13.2	6.0
NNE	1.6	3.5	1.2	.2								6.6	5.4
NE	.5	1.5	1.6	.7								4.3	7.3
ENE	.5	2.1	4.1	1.1								7.8	7.8
E	2.1	3.5	1.4	.1								7.0	4.6
ESE	1.4	2.1	1.0	.4								4.8	5.3
SE	1.2	2.3	.7	.1								4.4	5.0
SSE	.5	1.1	.5									2.1	5.2
S	.5	.7	.4	.4								2.0	6.6
SSW	.4	.9	.5									1.7	5.2
SW	.2	1.6	.9	.1	.2							3.1	7.5
WSW	1.0	2.0	.9	.4	.1							4.3	6.0
W	2.2	4.9	4.9	.7								12.9	6.2
WNW	.4	2.8	1.7	.1								5.1	6.3
NW	1.1	2.2	1.9	.5								5.7	6.5
NNW	.7	1.1	1.9	1.0		.1						4.8	7.9
VARBL			2.1	1.0	.2	.1						3.5	11.2
CALM												6.7	
	17.2	37.5	30.0	7.8	.6	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 APR
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	6.7	2.6	.6								12.7	5.5
NNE	.7	3.6	.5	.2								5.1	5.2
NE	1.0	1.7	1.1									3.8	5.1
ENE	.4	1.0	4.3	.5								6.2	7.9
E	2.1	2.1	1.6									5.8	4.8
ESE	3.3	.9	.2									4.4	3.0
SE	1.5	1.6	.6	.6								4.3	5.5
SSE	1.6	.6	.6									2.8	3.9
S	1.1	1.0	.2	.1								2.5	4.6
SSW	.1	.2	.7									1.1	6.9
SW	1.1	1.0	.9	.6		.1						3.7	6.9
WSW	.6	2.3	1.2	.7	.2							5.2	7.2
W	1.1	5.8	3.5	1.0		.1						11.5	6.5
WNW	2.3	2.2	1.6	.4								6.5	5.4
NW	.9	2.0	1.5	.7								5.1	6.8
NNW	1.1	1.7	1.7	.1								4.7	5.6
VARBL		.1	.6	.5								1.2	9.8
CALM												13.3	
	21.9	34.6	23.6	6.2	.2	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

MAHN AB DL
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOUSE (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.3	3.3	.8	.0							10.6	6.2
NNE	.7	2.8	2.2	.4								6.2	6.4
NE	.5	1.3	1.7	.6								4.1	7.2
ENE	.4	1.3	2.3	.8								4.7	7.8
E	1.6	2.5	1.5	.2								5.9	5.3
ESE	2.5	2.4	1.0	.3								6.2	4.8
SE	1.4	2.2	1.9	.4								5.9	5.9
SSE	.8	1.0	.9	.1								2.9	5.3
S	.4	.6	.5	.1								1.7	5.9
SSW	.2	.5	.5	.2	.0							1.4	7.0
SW	.2	.7	.8	.6	.2	.0						2.6	8.9
WSW	.6	1.8	1.5	.8	.1	.0						4.9	7.4
W	1.5	5.1	5.2	1.5	.2	.0						13.5	7.1
WNW	1.1	2.7	1.7	.3	.0	.0						5.9	6.0
NW	.9	2.0	1.7	.4	.1	.0						5.1	6.7
NNW	1.0	1.7	1.2	.4	.0	.0						4.5	6.3
VARBL		.1	4.6	1.9	.1	.0	.0					6.8	10.0
CALM												7.1	
	15.9	33.3	32.7	10.0	.8	.2	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

6878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10160
STATION

MAHN AB DL

STATION NAME

73-81

YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	2.3	.1								6.0	5.6
NNE	.5	2.5	.6									3.6	5.1
NE	.2	1.6	.1	.5								2.4	6.2
ENE	.4	1.4	1.7	.5								3.9	7.2
E	3.5	3.8	2.5	1.3								11.1	5.9
ESE	1.9	3.3	1.1	.6								6.9	5.2
SE	1.2	5.4	1.3	.1								8.0	5.1
SSE	1.7	2.9	1.1	.1								5.7	4.9
S	.7	.6	.7	.1	.1							2.3	5.6
SSW	.4	.7	1.3	.7		.1						3.2	9.0
SW	1.1	1.6	1.4	.2	.1							4.4	6.2
WSW	1.7	4.5	1.3	.1								7.6	5.0
W	2.5	6.5	4.1	.4								13.4	5.7
WNW	.7	1.9	1.2									3.8	5.5
NW	1.0	1.6	.2	.1								2.9	4.4
NNW	.7	1.0	.8									2.5	5.6
VARBL			.6	.1								.7	9.3
CALM												11.5	
	19.2	41.6	22.3	5.0	.2	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 16160 STATION NAME HAHN AB DL YEARS 73-81 MONTH MAY
CLASS ALL WEATHER HOURS (L. S. T.) 0300-0500
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.7	1.8	.4								6.3	5.4
NNE	.7	2.0	.5									3.2	4.6
NE	.4	1.0	.2	.2	.1							1.9	6.9
ENE	.5	2.2	2.0	.1								4.8	6.5
E	1.4	3.7	1.6	1.1	.5							8.2	6.7
ESE	3.8	4.8	1.0	.2								9.8	4.4
SE	2.7	5.3	1.6	.4								9.8	5.0
SSE	1.8	2.4	1.0	.1								5.3	4.8
S	1.2	1.8	.8	.1								3.9	5.0
SSW	.4	.7	.6	.4								2.0	7.0
SW	.5	2.2	1.3	.4								4.3	6.2
WSW	1.2	3.6	2.0		.2							7.0	6.0
W	2.4	5.3	4.7	.1	.1							12.5	5.9
WNW	1.2	1.5	.6	.1								3.8	4.9
NW	.1	.6	.6	.2								1.6	7.4
NNW	.5	1.1	.7									2.3	5.8
VARBL			.7	.4								1.1	9.4
CALM												11.9	
	20.2	41.1	21.6	4.2	1.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1616C STATION HAHN AB DL 73-81 MAY MONTH
STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

3600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.2	2.4	.2								6.0	6.2
NNE	.6	2.0	1.2	.1								3.9	5.9
NE	.1	.7	1.0									1.8	5.9
ENE	.6	1.2	2.2	.5	.1							4.5	7.6
E	1.2	4.2	2.6	1.4	.2							9.7	7.2
ESE	1.8	3.0	3.1	.1								8.0	6.0
SE	2.3	5.5	3.6									11.4	5.5
SSE	1.4	1.8	2.2	.2								5.6	5.8
S	.2	.8	.5	.1								1.7	6.5
SSW	.2	1.0	1.1	.7	.1							3.1	8.6
SW	.5	1.1	.8	.1								2.5	5.8
WSW	1.2	2.6	2.2	.7								6.7	6.5
W	1.1	6.1	5.0	.4	.2							12.8	6.6
WNW	1.2	3.0	.8	.2	.1							5.4	5.5
NW	.4	1.9	.7	.2								3.2	5.9
NNW	.4	.8	.2									1.4	4.7
VARBL		.1	.8	.7	.2							1.9	10.6
CALM												10.4	
	14.3	38.0	30.3	5.9	1.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160 STATION HAHN AB DL 73-81 YEARS MAY MONTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.4	2.3	.5								6.7	5.9
NNE	.1	2.2	1.6	.5								4.3	7.1
NE	.1	.8	1.0	.1								2.0	6.8
ENE	.2	.5	2.2	1.2	.1	.1						4.3	9.6
E	.4	1.6	3.3	1.8	.4	.1						7.5	9.2
ESE	1.7	3.2	2.0	1.0	.2	.2						8.4	7.1
SE	.7	2.4	3.0	.8								6.9	7.3
SSE	.1	1.4	2.2	.2								3.9	7.0
S	.2	1.3	1.4	.2								3.2	7.1
SSW		.4	1.2	.8	.2							2.6	10.7
SW	.1	.7	1.2	1.1	.2							3.3	9.6
WSW	.2	1.3	2.4	1.3								5.3	8.2
W	1.6	4.8	4.5	2.0	.1							13.0	7.2
WNW	1.3	2.5	1.6									5.4	5.1
NW	1.3	2.0	.7	.1								4.2	5.0
NNW	.6	1.7	.8	.1								3.2	5.4
VARBL		.2	9.7	3.2	.5							13.6	9.9
CALM												1.9	
	10.3	29.4	41.0	15.1	1.8	.5						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	2.2	.8								6.0	7.1
NNE	.5	1.8	2.3	.4								4.9	6.9
NE	.1	1.1	1.0	.2								2.9	7.0
ENE	1.1	1.7	1.0	1.6	.2	.1	.1					5.7	9.0
E	.1	2.5	2.0	1.9	.5							7.0	9.1
ESE	.2	1.4	1.9	.5	.4							4.4	8.4
SE	.6	1.8	2.5	.6								5.5	7.0
SSE	.4	1.1	1.6	.4								3.3	7.2
S	.2	1.9	1.7	.4	.1							4.3	7.3
SSW	.5	.5	1.1	1.0	.1							3.1	8.8
SW	.4	.4	1.1	1.4	.1							3.3	10.0
WSW	.6	1.8	1.8	1.8	.1							6.1	8.3
W	.7	4.5	4.2	1.3	.1							10.9	7.3
WNW	.6	2.5	1.4	.1								4.7	5.6
NW	.7	1.3	1.0									3.0	4.9
NNW	.8	1.2	.8	.2								3.1	5.7
VARBL		.1	15.1	4.9	.4							20.4	9.8
CALM												1.8	
	8.2	27.8	42.4	17.4	2.0	.1	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16167
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.6	3.8	.5								7.4	7.2
NNE	1.3	2.4	1.9	.7	.1							6.5	6.4
NE	.4	.8	1.4	1.1	.1							3.8	9.2
ENE	.2	1.7	1.6	1.4	.1	.1						5.1	9.2
E	.6	2.4	3.0	1.1	.2							7.3	7.9
ESE	.7	2.7	2.7	.7	.1							7.0	7.0
SE	.5	1.2	1.4	.4								3.5	6.8
SSE	.4	1.1	1.7	.4								3.5	7.1
S	.5	1.6	1.2	.2								3.5	6.2
SSW	.7	.8	1.1	.4								3.0	6.4
SW	.1	.4	1.4	1.0								2.9	9.3
WSW	.2	1.9	3.2	2.5								7.9	8.9
W	1.7	2.7	4.3	2.0								10.8	7.5
WNW	.7	2.4	1.2									4.3	5.5
NW		1.2	1.7	.1								3.0	7.0
NNW	.2	1.7	1.0	.1								3.0	6.2
VARBL		.2	10.9	4.1	.6							15.8	9.7
CALM												1.9	
	8.7	27.8	43.5	16.6	1.3	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS MAY MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.2	3.9	.4								9.4	6.3
NNE	.7	3.6	2.2	.1								6.6	5.9
NE	.7	1.3	1.9	1.0	.1							5.0	7.9
ENE	.5	2.4	3.1	1.3	.1							7.4	7.7
E	2.3	4.3	3.5	.4	.2							10.6	6.3
ESE	1.7	2.5	.8	.4								5.4	5.1
SE	1.1	2.0	1.2	.1								4.4	5.3
SSE	.6	1.1	.4									2.0	4.6
S	.6	1.8	.8	.1	.1							3.5	6.0
SSW	.5	1.4	.8	.1								2.9	5.7
SW	.8	1.6	1.8	.4	.1							4.7	6.8
WSW	.7	2.2	2.5	.7	.1							6.2	7.2
W	1.4	5.9	3.5	1.2	.1							12.1	6.6
WNW	.9	2.7	1.6									5.1	5.7
NW	.7	.8	1.1	.4								3.0	6.3
NNW	.7	1.6	.8									3.1	4.8
VARBL			2.9	.4	.1							3.3	9.5
CALM												5.3	
	14.8	39.3	32.7	6.8	1.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6167 STATION HAHN AB DL STATION NAME 73-81 YEARS MAY MONTH
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.8	1.6	.2								7.4	5.3
NNE	1.2	1.8	1.4	.1								4.5	5.1
NE	.5	1.2	.6	.2								2.5	.2
ENE	.2	1.6	3.6	1.6								6.9	8.6
E	3.1	2.6	2.3	1.1								9.1	5.9
ESE	2.4	2.3	1.0	.2								5.9	4.7
SE	1.9	4.1	1.0									6.9	4.4
SSE	1.3	1.8	.1	.1								3.3	3.9
S	1.4	1.6	1.0	.2								4.2	5.0
SSW	.8	1.2	1.6	.4								3.9	6.3
SW	.5	3.5	1.6	.7								6.2	6.3
WSW	2.4	2.6	1.4	.2								6.7	5.1
W	3.0	3.7	2.9	.5								10.0	5.6
WNW	1.0	2.0	1.6	.1								4.7	5.6
NW	1.0	1.4	.6									3.0	4.7
NNW	.8	1.2	.6									2.6	4.8
VARBL			.4	.5								.8	10.7
CALM												11.2	
	23.3	36.3	22.9	6.2								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10160 STATION HAHN AB DL STATION NAME 73-81 YEARS MAY MONTH
ALL WEATHER CLASS ALL MOUSE (L S T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.8	2.5	.4								6.9	6.1
NNE	.7	2.3	1.4	.2	.0							4.7	6.0
NE	.3	1.1	.9	.4	.0							2.7	7.3
ENE	.5	1.6	2.2	1.0	.1	.0	.0					5.3	8.2
E	1.6	3.1	2.6	1.3	.3	.0						8.8	7.1
ESE	1.8	2.9	1.7	.5	.1	.0						7.0	5.9
SE	1.4	3.5	1.9	.3								7.1	5.7
SSE	1.0	1.7	1.3	.2								4.1	5.6
S	.6	1.4	1.0	.2	.0							3.3	6.1
SSW	.4	.8	1.1	.6	.1	.0						3.0	7.8
SW	.5	1.4	1.3	.7	.1							4.0	7.3
WSW	1.0	2.6	2.1	.9	.1							6.7	6.8
W	1.8	4.9	4.1	1.0	.1							11.9	6.5
WNW	.9	2.4	1.2	.1	.0							4.6	5.4
NW	.6	1.4	.8	.1								3.0	5.6
NNW	.6	1.3	.7	.1								2.7	5.4
VARBL		.1	5.1	1.8	.2							7.2	9.8
CALM												7.0	
	14.9	35.2	32.1	9.6	1.1	.1	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 YEARS JUN MONTH
STATION NAME CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.3	2.7	.4								6.3	5.7
NNE	1.6	3.2	1.6	.2								6.7	5.3
NE	.2	1.0	1.0									2.2	5.9
ENE	1.0	.7	.9									2.6	4.9
E	1.6	2.0	.7									4.3	4.3
ESE	1.7	1.1	.4									3.2	3.4
SE	2.2	3.1	1.6	.1								7.0	4.8
SSE	.5	1.0	1.2									2.7	5.9
S	.7	1.1	.2									2.1	4.1
SSW	.9	1.7	1.5									4.1	5.6
SW	1.1	1.6	1.6	.7								5.1	6.4
WSW	3.1	3.8	2.3	.5								9.8	5.3
W	3.3	6.4	3.8	.6								14.2	5.3
WNW	2.2	4.1	1.1	.1								7.5	4.6
NW	1.2	1.9	.7	.1								4.0	5.2
NNW	.9	1.1										2.0	3.7
VARBL			.7	.2								1.0	9.1
CALM												13.2	
	24.2	37.2	22.2	3.1								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160 STATION HAHN AB DL STATION NAME 73-81 YEARS JUN MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	2.0	.2								7.7	5.4
NNE	.9	2.1	1.7	.1								4.8	5.8
NE	1.0	1.7	.5									3.2	4.6
ENE	.4	.7	1.0									2.1	6.2
E	1.7	2.0	.1									3.8	3.6
ESE	2.6	2.1	.1									4.8	3.2
SE	2.6	2.3	1.7	.2								6.9	4.8
SSE	1.5	.7	.9									3.1	4.7
S	.7	.6	.6									2.0	4.8
SSW	.6	.6	1.2	.2								2.7	6.8
SW	1.4	2.3	2.1	.5								6.3	6.4
WSW	1.5	2.2	2.1	.9								6.7	6.6
W	3.6	6.9	4.3	1.2								16.0	6.0
WNW	2.1	3.3	2.2	.1								7.8	5.2
NW	.9	1.6	.6	.1								3.2	4.8
NNW	1.1	1.2	.2									2.6	4.2
VARBL			.2									.2	8.0
CALM												16.0	
	24.2	34.3	21.7	3.7								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.1	2.3	.5								8.5	5.8
NNE	.4	2.7	1.5	.4								4.9	6.4
NE	.5	.5	.7	.2								2.0	6.6
ENE	.5	1.9	.5	.2								3.1	5.6
E	1.9	2.0	1.1	.1								5.1	4.8
ESE	2.1	3.1	.7									5.9	4.4
SE	2.0	3.7	1.9	.1								7.7	5.1
SSE	1.6	1.2	1.0									3.8	4.7
S	.6	1.4										2.0	4.0
SSW	.2	.6	.9	.5								2.2	7.8
SW	.4	1.6	1.6	.9								4.4	7.6
WSW	.6	3.5	2.5	.5	.2							7.3	6.8
W	2.1	8.2	5.4	.9								16.6	6.1
WNW	1.1	3.7	2.7	.4								7.2	6.1
NW	1.0	1.4	1.6	.1								4.1	5.7
NNW	1.0	1.5	.9	.1								3.5	5.0
VARBL			1.5	.9								2.3	10.1
CALM												9.4	
	17.6	40.2	26.8	5.8	.2							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION MAHN AB DL STATION NAME 73-81 YEARS JUN MONTH
ALL WEATHER CLASS 0900-1100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.3	3.8	.2								7.9	6.7
NNE	.9	2.8	3.5	.1								7.3	6.5
NE	.5	1.4	.7	.1								2.7	5.5
ENE	.9	1.7	.9	.2								3.7	5.7
E	1.1	1.7	2.1	.1								5.1	6.0
ESE	.7	2.0	.5	.5								3.7	5.6
SE	1.0	2.2	.5	.5								4.2	5.6
SSE	.6	1.2	.7	.1								2.7	5.6
S	.6	.4	.6									1.6	5.5
SSW	.4	.2	.5	.9								2.0	9.1
SW	.1	.4	1.6	1.7	.1							4.0	10.3
WSW	.4	2.0	3.2	2.2								7.8	8.5
W	1.7	5.9	5.3	2.0								15.0	7.0
WNW	1.5	2.6	2.2	.1								6.4	5.8
NW	.5	2.0	2.6	.1								5.2	6.4
NNW	1.1	3.0	.4	.1								4.6	4.6
VARBL		.5	9.5	3.0	.1							13.1	9.3
CALM												3.0	
	12.5	33.4	38.7	12.1	.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 808

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160 HAHN AB DL 73-81 JUN
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.2	3.1									7.0	6.0
NNE	.2	2.2	2.5	.6								5.6	7.2
NE	.2	1.5	1.2	.1								3.1	6.9
ENE	.4	1.4	1.2	.1								3.1	6.4
E	1.1	1.2	1.9	.5								4.7	6.7
ESE	.2	1.5	1.1	.1								3.0	6.5
SE	.2	2.1	.5	.2								3.1	5.6
SSE	.9	1.5	.6	.4								3.3	5.3
S	.4	.6	.2		.1							1.4	5.9
SSW	.5	.1	.1	1.4								2.1	10.2
SW	.1	.6	1.4	1.4	.2							3.7	10.4
WSW	.1	1.6	3.7	2.3	.4							8.1	9.4
W	1.5	4.4	5.1	2.3	.1							13.5	7.5
WNW	1.5	3.1	2.2	.2								7.0	5.9
NW	.6	2.2	1.4	.1								4.3	5.8
NNW	1.1	2.0	.6	.1								3.8	4.9
VARBL		.4	15.7	5.1	.1							21.2	9.4
CALM												2.0	
	9.9	29.6	42.5	15.1	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.3	3.1	.5								9.4	6.1
NNE	.5	3.5	3.6	.2	.1							7.9	6.7
NE		1.5	1.0	.4								2.8	7.4
ENE	.1	1.5	.4	.4	.1							2.5	7.2
E	.9	1.4	1.2	.2								3.7	6.4
ESE	.4	1.5	1.6	.2								3.7	6.6
SE		1.5	.5									2.0	6.1
SSE	.6	1.7	.6									2.2	4.9
S	.4	.9	.5	.2								2.0	6.4
SSW	.5	.6	.6	.9								2.6	8.3
SW	.1	.4	2.1	1.0								3.6	9.6
WSW	.6	1.1	3.2	1.9	.1							6.9	8.8
W	1.2	3.8	5.8	2.1								17.0	7.5
WNW	1.0	3.3	2.2	.5								7.0	6.0
NW	.5	.9	2.6									4.0	6.9
NNW	.9	2.1	1.4									4.3	5.6
VARBL		.5	15.6	4.3	.1							20.5	9.4
CALM												2.0	
	9.1	29.6	45.9	12.8	.5							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL 73-81 YEARS JUN MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	5.3	4.2	.1								11.3	5.8
NNE	.9	5.2	4.5	.6								11.1	6.6
NE	.2	1.0	.9	.4								2.5	6.6
ENE	.9	1.7	1.0	.7								4.3	6.3
E	.6	1.4	1.1									3.1	5.4
ESE	.4	2.0	1.1									3.5	5.5
SE	.7	2.2	1.0									4.0	5.3
SSE	1.1	.9	.1									2.1	3.8
S	.2	1.2	.7	.2								2.5	6.7
SSW	.1	.6	.6	.4								1.7	7.7
SW	.4	1.4	2.0	1.4								5.1	8.6
WSW	1.2	2.6	2.6	.9	.1							7.4	7.0
W	2.5	8.4	5.2	1.2								17.3	6.1
WNW	1.6	2.6	1.4		.1							5.7	5.1
NW	1.1	3.0	1.1									5.2	6.8
NNW	1.7	1.6	1.1	.5								5.0	5.4
VARBL			2.8	.7								3.6	9.4
CALM												4.7	
	15.3	41.1	31.4	7.2	.2							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 808

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 16160 HAHN AB DL STATION NAME 73-81 YEARS JUN
MONTH 2100-2300
HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	5.9	1.7									9.8	4.8
NNE	.9	5.1	2.7									8.6	5.6
NE	.6	2.2	.6	.1								3.6	5.4
ENE	.9	1.5	2.0									4.3	6.3
E	.9	1.9	.7									3.5	4.6
ESE	2.1	1.2	.7									4.1	4.0
SE	1.5	1.9	.7									4.1	4.3
SSE	1.1	1.2	.1									2.5	3.6
S	.7	1.5	.1	.1								2.5	4.4
SSW	1.0	1.6	1.1	.1								3.8	5.6
SW	.5	1.9	1.5	.6								4.4	6.5
WSW	1.5	3.1	2.5	.7								7.8	6.1
W	3.5	6.0	4.0	1.2								14.7	6.1
WNW	2.5	2.8	.2	.1								5.7	4.2
NW	1.2	2.0	.4	.5								4.1	5.5
NNW	1.2	2.5	.1	.1								4.0	4.1
VARBL		.1	.9	.6								1.6	10.1
CALM												11.1	
	22.1	42.3	20.1	4.3								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL STATION NAME 73-81 YEARS JUN MONTH
ALL WEATHER CLAS
ALL HOURS (L & T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	4.2	2.9	.2								6.7	5.8
NNE	.8	3.4	2.7	.3	.0							7.1	6.3
NE	.4	1.3	.8	.2								2.8	6.0
ENE	.6	1.4	1.0	.2	.0							3.2	6.1
E	1.2	1.7	1.1	.1								4.2	5.2
ESE	1.3	1.8	.8	.1								4.0	4.8
SE	1.3	2.4	1.1	.2								4.9	5.1
SSE	1.0	1.1	.7	.1								2.8	4.8
S	.6	1.0	.4	.1	.0							2.0	5.2
SSW	.5	.8	.8	.5								2.7	7.3
SW	.5	1.3	1.7	1.0	.0							4.6	8.0
WSW	1.1	2.5	2.8	1.2	.1							7.7	7.2
W	2.4	6.3	4.9	1.5	.0							15.0	6.4
WNW	1.7	3.1	1.8	.2	.0							6.8	5.4
NW	.9	1.9	1.4	.1								4.2	5.7
NNW	1.1	1.9	.6	.1								3.7	4.8
VARBL		.2	5.9	1.9	.0							8.0	9.4
CALM												7.7	
	16.9	36.0	31.2	8.0	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 6874

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-6160 STATION NAME HAHN AB DL YEARS 73-81 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.9	2.3	1.2									5.4	4.6
NNE	1.1	1.3	.1									2.5	3.6
NE	1.0	.2										1.2	2.9
ENE	.4	.1	.1									.6	3.6
E	1.6	1.2	.5									3.2	4.1
ESE	1.9	2.4	.5									4.8	4.2
SE	2.2	2.2	.4									4.7	3.8
SSE	2.6	1.0	.1	.1								3.8	3.4
S	.7	1.1	.6	.1								2.5	5.3
SSW	.7	.6	.1									1.4	4.1
SW	1.4	2.2	.6	.6								4.8	5.4
WSW	2.8	3.2	1.8	.5								8.3	4.9
W	5.1	11.9	4.9	2.4								24.3	5.8
WNW	3.8	4.4	1.3	.4								9.9	4.8
NW	1.4	2.4	.6	.1								4.6	4.5
NNW	1.2	1.3	.2	.4								3.1	4.9
VARBL			.7	.6								1.3	11.1
CALM												13.5	
	29.8	37.7	13.8	5.1								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160 STATION HAHN AB DL 73-81 YEARS JUL MONTH
ALL WEATHER CLASS 0300-0500 HOUR (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	1.4	.2								6.3	5.2
NNE	.7	.6	.1									1.4	3.9
NE	.8	.2										1.1	2.8
ENE	.2	.1										.4	2.3
E	.6	1.2	.2									2.0	4.5
ESE	3.6	1.7	.8	.1								6.2	4.0
SE	1.2	3.2	1.0									5.4	4.6
SSE	1.9	1.1	.2									3.2	3.5
S	1.1	.8	.1									2.0	3.6
SSW	.7	1.0	.7	.1								2.5	5.3
SW	1.4	1.8	1.3	.5								5.0	5.4
WSW	2.4	4.8	3.0	.2								10.4	5.5
W	4.8	10.6	7.5	1.3								24.3	5.9
WNW	3.0	4.5	1.9	.6								10.0	5.3
NW	1.8	1.7	.8									4.3	4.3
NNW	.7	1.1	.4									2.2	4.1
VARBL			1.3	.6	.1							2.0	10.6
CALM												11.2	
	26.6	37.4	20.9	3.7	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 YEARS MONTH JUL
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.1	2.5	.4								7.6	5.9
NNE	.2	.8	.1									1.2	4.8
NE	.5	.6	.1									1.2	4.3
ENE	.2	.1										.4	3.0
E	1.0	1.8	.5									3.2	4.6
ESE	1.9	3.7	1.3	.4								6.6	5.2
SE	.8	2.2	2.4	.1								5.5	5.9
SSE	1.6	1.7	1.1									4.3	4.7
S	.7	.5	.6									1.8	4.9
SSW	.7	.2	.7	.1								1.8	5.6
SW	.8	2.7	1.6	.2								4.7	6.2
WSW	1.3	3.5	3.5	.8								9.1	6.8
W	2.4	11.5	9.4	1.6	.1							25.0	6.6
WNW	1.9	4.5	1.9	.5								8.8	5.6
NW	1.3	3.8	1.7	.1								6.9	5.2
NNW	.5	1.1	.7	.1								2.4	5.2
VARBL			2.2	1.0	.1							3.2	9.9
CALM												6.3	
	17.6	40.4	30.2	5.3	.2							120.6	5.6

TOTAL NUMBER OF OBSERVATIONS 837

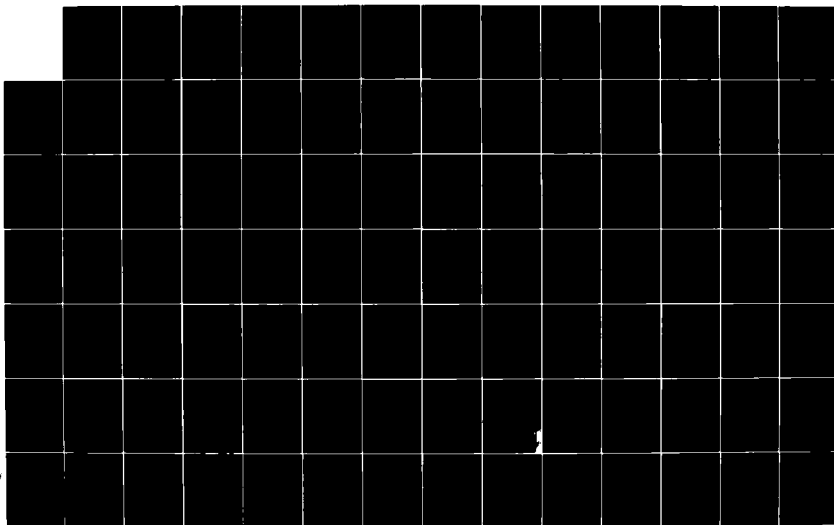
AD-A122 715

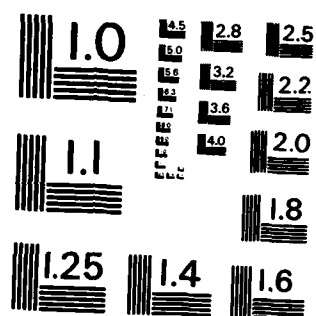
HAHN AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 AUG 82
UNCLASSIFIED USAFETAC/DS-82/049 SBI-AD-ES80 208

F/G 4/2

2/5

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS JUL MONTH 0900-1100 HOURS (L S T)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.6	2.8	.4								8.9	5.7
NNE	.4	3.1	1.1									4.5	5.7
NE	.1	1.0										1.1	4.3
ENE	.5	1.0	.2									1.7	4.9
E	.5	1.1	.5	.1								2.2	5.8
ESE	.6	1.6	1.2	.7								4.1	7.1
SE	.8	1.3	1.8	.4								4.3	6.3
SSE	.5	1.1	1.2									2.8	6.0
S	.7	.7	.1									1.6	4.2
SSW	.1	.7	.4	.2								1.4	6.7
SW		.7	2.0	.6								3.3	8.7
WSW	.8	1.2	4.1	1.8								7.9	8.3
W	1.6	6.3	10.8	3.8	.1							22.6	7.9
WNW	.8	4.3	3.5	.6								9.2	6.7
NW	.5	3.3	1.7	.5								6.0	6.3
NNW	1.4	2.9	.7	.1								5.1	4.8
VARBL			8.4	2.3								10.6	9.1
CALM												2.8	
	11.5	33.9	40.3	11.5	.1							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0160 STATION NAME HAHN AB DL YEARS 73-81 MONTH JUL
ALL WEATHER CLASS 1200-1400
HOURS (L S T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.2	3.1	.2								9.0	6.1
NNE	.6	2.4	1.7	.1								4.8	6.0
NE	.2	1.3	.2									1.8	4.9
ENE	.5	.6	.1									1.2	4.2
E	.7	.5	.5	.2								1.9	5.8
ESE	.6	.8	1.7	.1								3.2	6.9
SE		.8	.7	.4								1.9	8.1
SSE	.6	.6	.6									1.8	5.1
S	.4	.8	.2									1.4	4.7
SSW	.4	.2	.6	.2		.1						1.6	8.7
SW	.1	.5	1.1	1.1								2.7	9.3
WSW	.5	1.4	4.2	1.9	.1							8.1	9.2
W	.5	5.9	10.0	4.5	.4							21.3	8.4
WNW	1.1	5.1	3.6	.5								10.3	6.2
NW	.6	3.0	1.9	.8								6.3	6.6
NNW	1.0	3.6	.6	.2								5.4	5.5
VARBL			12.4	3.1								15.5	9.2
CALM												1.8	
	9.1	31.8	43.2	13.5	.5	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.4	2.7	.4								8.5	6.1
NNE	1.1	3.2	1.4	.1								5.9	5.6
NE	.2	1.3	.2									1.8	4.8
ENE	.6	.6	.7									1.9	5.2
E	.2	1.1	.8	.1								2.3	6.3
ESE	.2	.5	1.3	.2								2.3	7.2
SE	.6	1.3	.5	.1								2.5	5.0
SSE	.5	.7	.5	.2								1.9	6.0
S	.2	.8	.6	.2								1.9	6.8
SSW	.4		.2	.2								.8	7.6
SW		.7	.5	1.2	.1							2.5	10.2
WSW	.6	1.4	5.3	1.4	.2							9.0	8.5
W	1.7	5.6	11.9	3.7	.2							23.2	8.1
WNW	1.1	4.5	2.6	.5	.1							8.8	6.3
NW	1.0	2.6	2.2	.4								6.1	6.3
NNW	.8	3.0	.8	.2								4.9	5.3
VARBL		.2	11.1	2.9								14.2	9.3
CALM												1.6	
	10.2	32.1	43.5	11.9	.7							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS JUL MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.4	3.3	.1								9.3	5.7
NNE	.7	5.1	1.4									7.3	5.1
NE	.6	2.2	.6									3.3	5.0
ENE	.7	1.1	.6	.2								2.6	5.5
E	.8	1.6	1.1									3.5	5.2
ESE	1.0	2.0	.6	.1								3.7	5.0
SE	.6	.8	.4									1.8	4.5
SSE	.7	.5	.2									1.4	3.8
S	.4	.2	.2									.8	4.7
SSW	.4	.5	.5	.1								1.4	6.3
SW	.2	1.7	1.4	.8								4.2	7.7
WSW	1.1	2.4	2.9	.5								6.8	6.5
W	3.3	12.1	10.4	1.8	.1							27.7	6.4
WNW	3.1	3.9	1.8	.6	.2							9.7	5.6
NW	1.2	2.2	1.6	.7								5.6	6.1
NNW	1.2	1.0	.7	.4								3.2	5.3
VARBL		.1	1.6	.6								2.3	9.2
CALM												5.3	
	17.4	41.7	29.3	6.0	.4							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160 STATION HAHN AB DL 73-81 YEARS JUL MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	5.0	1.0									8.5	4.5
NNE	1.6	2.7	.4									4.7	4.2
NE	.8	1.3										2.2	3.7
ENE	1.1	.8	.5									2.4	4.3
E	2.3	1.0	.1									3.3	3.0
ESE	1.9	1.3	.5									3.7	3.7
SE	1.8	.8	.1									2.7	3.2
SSE	1.6	.5	.4									2.4	3.4
S	1.0	1.1	.5									2.5	4.8
SSW	1.2	1.1	.2	.1								2.6	4.3
SW	1.3	1.8	1.2	.4								4.7	5.6
WSW	1.7	2.9	2.2	1.2								7.9	6.2
W	4.9	9.9	4.7	1.3								20.8	5.5
WNW	2.6	4.4	1.8	.4								9.2	5.2
NW	1.8	1.8	1.2	.2								5.0	5.0
NNW	1.1	1.0	.7									3.7	4.5
VARBL			.2	.2								.5	12.5
CALM												13.3	
	29.0	38.4	15.5	3.8								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.8	2.3	.2								7.9	5.5
NNE	.8	2.4	.8	.0								4.0	5.1
NE	.5	1.0	.1									1.7	4.3
ENE	.5	.6	.3	.0								1.4	4.7
E	1.0	1.2	.5	.1								2.7	4.8
ESE	1.5	1.7	1.0	.2								4.3	5.2
SE	1.0	1.6	.9	.1								3.6	5.1
SSE	1.2	.9	.5	.0								2.7	4.4
S	.6	.8	.4	.0								1.8	4.9
SSW	.6	.5	.4	.1		.0						1.7	5.8
SW	.7	1.4	1.2	.7	.0							4.0	6.9
WSW	1.4	2.6	3.3	1.0	.0							8.4	7.0
W	3.0	9.2	8.7	2.6	.1							23.6	6.8
WNW	2.2	4.5	2.3	.5	.0							9.5	5.7
NW	1.2	2.6	1.4	.4								5.6	5.6
NNW	1.0	2.0	.6	.2								3.8	5.0
VARBL		.7	4.7	1.4	.0							6.2	9.9
CALM												7.0	
	18.9	36.7	29.6	7.6	.3	.0						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 6693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL 73-81 YEARS AUG MONTH
ALL WEATHER CLASS 0000-0200 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.4	1.3									5.6	4.7
NNE	.5	1.9	.5									2.9	5.0
NE	.7	.7	.7									2.2	5.3
ENE	.8	.8	.5									2.2	4.7
E	2.9	1.9	.6									5.4	4.0
ESE	2.4	2.9	1.6	.1								6.9	4.7
SE	2.4	2.4	1.7	.4								6.8	5.0
SSE	2.4	2.0	.7									5.1	4.3
S	.8	1.7	.2	.1								2.9	4.6
SSW	.5	.8	.2									1.6	4.5
SW	1.1	1.4	1.2	.2								3.9	5.6
WSW	1.3	2.7	1.7	.2								6.0	5.5
W	2.7	9.2	4.2	1.3	.1							17.6	5.7
WNW	1.6	3.5	1.0									6.0	4.7
NW	1.3	1.6	.7									3.6	4.4
NNW	1.3	2.6	.5									4.8	4.4
VARBL			.5									.5	8.8
CALM												16.6	
	24.6	38.6	17.7	2.4	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.4	.7									4.9	4.4
NNE	.7	1.7										2.4	4.2
NE	.5	1.7	.1									2.3	4.6
ENE	.7	1.0	.6									2.3	4.8
E	2.2	2.6	.7									5.5	4.4
ESE	3.2	2.7	.7									6.7	4.0
SE	3.5	2.4	2.0	.2								8.1	4.7
SSE	1.8	1.7	.5	.1								4.1	4.5
S	1.4	.7	.1									2.3	3.1
SSW	.4	.6	.5									1.4	5.3
SW	.4	1.3	1.2	.2								3.1	6.5
WSW	2.0	3.0	1.6	.6								7.2	5.4
W	3.3	7.4	3.7	1.8								16.2	5.9
WNW	2.3	2.6	1.6	.2								6.7	5.0
NW	1.8	1.9	1.4									5.1	4.8
NNW	1.3	1.6	.4									3.2	4.3
VARBL		.2	.4	.2								.8	9.1
CALM												17.7	
	27.2	35.5	16.1	3.5								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS AUG MONTH
ALL WEATHER CLASS 3600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.3	1.4	.1	.1							6.5	5.3
NNE	.7	1.2	.6									2.5	4.9
NE	.7	1.2	1.0									2.9	5.3
ENE	.4	1.1	.4									1.8	5.3
E	1.0	1.9	1.1	.1								4.1	5.5
ESE	2.6	3.9	2.0	.2								8.8	5.1
SE	2.0	5.0	2.7									9.8	5.3
SSE	1.6	3.1	1.0	.6								6.2	5.4
S	1.2	.4	.4									1.9	3.8
SSW	.4	.6	.7									1.7	6.0
SW	.2	1.7	1.8	.2								3.9	7.0
WSW	2.0	1.4	1.9	.5								5.9	5.9
W	2.4	8.0	4.1	.7								15.2	5.8
WNW	2.5	3.8	1.4	.1								7.9	4.9
NW	1.0	1.7	1.2	.1								3.9	5.2
NNW	.5	1.2	.5									2.2	4.5
VARBL			1.6	.5	.1							2.2	10.2
CALM												12.8	
	20.5	39.5	23.7	3.2	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160 HAHN AB DL 73-81 AUG
STATION STATION NAME YEARS NORTH
ALL WEATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.9	2.9	.1								8.5	5.6
NNE	.6	1.7	2.0	.6								4.9	7.0
NE	.2	1.2	.8	.2								2.5	6.4
ENE	.7	.7	.5	.4								2.3	6.3
E	1.2	2.0	2.2	.7								6.1	6.6
ESE	1.1	2.0	2.6	1.0								6.7	7.1
SE	1.2	3.7	2.6	1.9								9.4	7.2
SSE	1.4	1.3	1.0	.4								4.1	5.5
S	.6	.6	.6	.4								2.2	6.2
SSW	.4	.4	.6	.5								1.8	7.5
SW	.5	.5	.7	1.0								2.6	8.8
WSW	.4	2.3	1.3	1.8	.1							5.9	8.2
W	1.2	5.0	5.0	1.3	.1							12.7	7.0
WNW	1.7	4.8	1.0	.1								7.5	5.3
NW	.5	3.0	1.0									4.4	5.5
NNW	1.4	3.0	1.7	.2								6.3	5.4
VARBL		.5	5.9	3.0	.1							9.4	9.8
CALM												2.7	
	14.6	36.6	32.3	13.5	.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.2	2.6	.4								7.6	6.1
NNE	1.6	2.6	.8	.4								5.4	5.3
NE	.6	1.2	1.0	.4								3.1	6.5
ENE	.1	1.2	1.2	.5								3.0	7.6
E	.8	1.2	.8	.4								3.2	6.3
ESE	.5	.8	1.1	.8								3.2	7.7
SE	.2	.4	1.6	1.2								3.3	9.4
SSE	.5	1.1	.6	.2								2.4	5.8
S	.2	1.1	.6	.1	.1							2.2	7.0
SSW	.2	.2	.6	.7								1.8	9.4
SW	.5	.4	.7	1.0	.1							2.6	8.5
WSW	.8	1.9	1.8	2.2								6.7	8.1
W	.7	5.5	5.6	2.3	.1							14.2	7.6
WNW	1.0	3.3	2.2	.1								6.6	5.8
NW	1.0	2.4	1.8									5.1	5.9
NNW	1.8	3.3	2.2	.1								7.4	5.5
VARBL		.6	12.7	5.9	.4							19.5	9.8
CALM												2.6	
	11.9	30.5	37.8	16.5	.7							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16168 STATION HAHN AB DL STATION NAME 73-81 YEARS AUG MONTH
ALL WEATHER CLASS 1500-1700 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.6	4.1	.8								10.2	6.6
NNE	.6	2.0	2.6	.5								5.7	7.1
NE	.8	1.1	1.1	.6								3.6	6.6
ENE	.7	1.4	1.0	.5								3.6	6.2
E	.5	1.3	2.0	.4								4.2	7.0
ESE	.4	1.2	1.9	.5								3.9	7.5
SE	.1	1.4	1.8	.4								3.7	7.3
SSE	.2	1.7	.6	.1								2.6	6.1
S		.5	.6	.4								1.4	8.6
SSW	.6	.2	.7	.4	.1							2.0	7.6
SW	.1	.2	2.0	.8								3.2	9.5
WSW	.7	1.4	2.3	1.1								5.5	7.5
W	1.7	5.5	7.4	1.2	.1							15.9	7.0
WNW	1.8	3.0	1.0									5.7	4.7
NW	1.2	3.2	2.2	.7								7.3	6.4
NNW	.7	2.5	1.2	.1								4.5	5.4
VARBL	.1	.8	9.2	3.6	.4							14.1	9.8
CALM												2.7	
	11.9	31.2	41.6	11.9	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.5	3.1	.2								9.6	5.5
NNE	1.2	3.9	2.3	.2								7.6	5.7
NE	.8	2.4	.7									3.9	5.2
ENE	.7	1.4	.8	.1								3.1	5.4
E	1.6	3.7	3.0	.1								7.6	5.8
ESE	1.3	2.6	1.2	.1								5.3	5.2
SE	.6	1.9	1.1									3.6	5.3
SSE	.8	1.2	.5									2.5	4.6
S	1.0	1.1	.4	.4								2.7	5.3
SSW	.6	.7	.5	.1								1.9	5.3
SW	.6	1.2	1.0	.2								3.0	4.5
WSW	1.4	1.9	1.6									4.9	5.5
W	3.1	7.5	3.8	.7								15.2	5.5
WNW	2.6	4.7	1.3	.1								8.7	4.5
NW	.8	2.5	1.3	.5								5.1	6.1
NNW	.8	1.7	.6	.2								3.3	5.2
VARBL			3.2	1.0								4.2	9.6
CALM												7.6	
	19.7	42.3	26.3	4.1								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS AUG NORTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.3	1.6									8.6	4.5
NNE	.7	2.7	.8									4.3	4.9
NE	1.0	1.8	.6									3.3	5.0
ENE	1.3	2.2	1.4									4.9	5.0
E	2.0	2.7	1.2									6.0	4.5
ESE	2.6	2.9	.2									5.7	3.8
SE	2.0	2.7	1.4	.1								6.3	4.8
SSE	1.6	1.9	.7									4.2	4.4
S	1.2	1.4										2.6	3.7
SSW	.2	.7	.1									1.1	5.3
SW	.7	2.3	1.1		.1							4.2	5.5
WSW	1.8	2.2	2.5	.4								6.8	5.9
W	5.0	5.7	2.6	.7								14.1	5.0
WNW	2.5	2.6	.7									5.9	4.3
NW	1.1	2.4	1.0	.1								4.5	5.1
NNW	1.4	1.9	.5									3.8	4.3
VARBL			1.2	.1								1.3	9.4
CALM												12.3	
	28.0	40.5	17.7	1.4	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 AUG MONTH
STATION NAME YEARS
ALL WEATHER CLASS
ALL HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.5	2.2	.2	.0							7.7	5.4
NNE	.8	2.2	1.2	.2								4.5	5.7
NE	.7	1.4	.7	.1								3.0	5.7
ENE	.7	1.2	.8	.2								2.9	5.7
E	1.5	2.1	1.4	.2								5.3	5.5
ESE	1.8	2.4	1.4	.3								5.9	5.4
SE	1.5	2.5	1.9	.5								6.4	5.9
SSE	1.3	1.7	.7	.2								3.9	5.0
S	.8	.9	.4	.2	.0							2.3	5.1
SSW	.4	.5	.5	.2	.0							1.7	6.5
SW	.5	1.1	1.2	.5	.0							3.3	7.1
WSW	1.3	2.1	1.8	.8	.0							6.1	6.5
W	2.5	6.7	4.6	1.3	.1							15.1	6.2
WNW	2.0	3.5	1.3	.1								6.9	8.9
NW	1.1	2.3	1.3	.2								4.9	5.5
NNW	1.2	2.2	.9	.1								4.4	5.0
VARBL	.0	.3	4.3	1.8	.1							6.5	9.8
CALM												9.4	
	19.8	36.8	26.6	7.1	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 YEARS SEP NORTH
0000-0200 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	.7									3.5	4.9
NNE	.4	1.1	.4									1.9	4.9
NE		.4	.2									.6	6.0
ENE	.4	.6	.1									1.1	4.2
E	1.0	1.2	.5									2.7	4.5
ESE	1.1	2.6	.4	.1								4.2	4.7
SE	4.4	3.7	2.5									10.6	4.6
SSE	2.6	2.7	1.6									6.9	4.6
S	1.0	2.2	1.2	.1								4.6	5.6
SSW	.2	1.5	.5	.5	.2							3.0	7.9
SW	.1	2.5	1.4	1.1	.5							5.6	8.7
WSW	1.4	3.3	1.9	.4	.4							7.3	6.4
W	3.0	9.8	5.8	3.1	.1							21.7	6.7
WNW	2.0	2.6	1.2	.2								6.0	4.9
NW	.9	.9	.7	.1								2.6	5.2
NNW	.5	.2	.1									.9	4.6
VARBL			1.1	.4								1.5	10.2
CALM												15.4	
	19.8	37.2	20.4	6.0	1.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160
STATION

HAHN AB OL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	.7									3.6	4.9
NNE	.2	1.0	.4									1.6	5.5
NE	.4	.6										1.0	4.5
ENE		.2	.2									.5	6.5
E	1.2	1.1	.4									2.7	4.0
ESE	2.8	2.5	.5	.1								5.9	4.0
SE	4.3	3.6	2.7	.1								10.7	4.7
SSE	1.9	2.3	2.5	.1								6.8	5.4
S	.9	1.7	.5	.2								3.3	5.5
SSW	.2	1.6	.7	.6	.4	.1						3.7	9.0
SW	.4	2.0	2.3	.6	.1	.2						5.7	8.3
WSW	2.0	3.3	2.5	.5								8.3	5.6
W	3.5	9.0	5.3	1.9	.2							19.9	6.2
WNW	1.1	2.7	1.4	.5								5.7	5.8
NW	1.4	.2	.6	.2								2.5	5.0
NNW	.4	.1	.1									.6	3.6
VARBL			1.7	.5								2.2	10.2
CALM												15.3	
	21.6	34.0	22.6	5.4	.7	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.9	.6									3.0	4.0
NNE	.9	1.0	.6									2.5	4.8
NE	.1	.2	.4									.7	5.5
ENE	.6	.6										1.2	3.3
E	.4	1.6	.1									2.1	4.5
ESE	2.1	2.3	.9	.1								5.4	4.5
SE	4.2	3.8	3.5	.9								12.3	5.6
SSE	2.2	3.0	2.3	.5								8.0	5.4
S	1.1	1.7	.5	.2								3.6	5.1
SSW	.9	.4	.6	.7	.2							2.8	8.9
SW	.2	1.9	2.5	1.7	.1	.1						6.5	8.9
WSW	1.6	3.2	2.8	.9								8.5	6.3
W	2.6	6.9	6.4	3.1								19.0	6.9
WNW	1.7	1.5	1.5	.1	.1							4.9	5.5
NW	.9	.4	.4	.1								1.7	4.7
NNW	.4											.4	2.7
VARBL		.1	1.2	1.1								2.5	10.5
CALM												14.7	
	21.4	29.5	24.3	9.5	.5	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	1.2	.1								3.7	6.0
NNE	.9	2.2	1.0									4.1	5.1
NE	.1	.6	.1									.9	5.4
ENE	.6	.2	.4	.2								1.5	5.7
E	.7	.5	1.1	.1								2.5	6.2
ESE	1.0	1.9	1.5	.6								4.9	6.5
SE	1.5	3.6	4.1	1.2								10.4	7.0
SSE	1.6	3.3	2.7	.7								8.4	6.3
S	.9	.9	1.1	.2								3.1	5.7
SSW	.9	.2	1.1	1.5	.2							4.0	9.3
SW	.4	.9	1.4	3.0	.5							6.0	11.2
WSW	1.1	2.5	4.1	1.7	.2							9.6	8.0
W	2.0	6.3	7.3	4.1	.1							19.8	7.7
WNW	1.9	2.6	2.0	.1								6.5	5.3
NW	.4	1.4	.1									1.9	4.3
NNW	1.0	1.0	.4									2.3	4.4
VARBL		.2	3.5	2.0	.1							5.8	10.0
CALM												4.7	
	15.4	30.0	33.0	15.7	1.2							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160 STATION HAHN AB DL STATION NAME 73-81 YEARS SEP MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	2.5									6.4	5.6
NNE	.7	1.6	.9									3.2	5.6
NE	.1	.7	.2	.1								1.2	5.7
ENE	.2	1.0	.5									1.7	5.6
E	.5	.7	1.7	.2								3.2	7.0
ESE	.4	.7	1.5	.4								3.0	7.8
SE	.2	1.9	2.7	1.0								5.8	7.8
SSE	.6	2.3	2.8	.6								6.4	6.9
S	.1	1.0	1.9	.9	.1							4.0	6.5
SSW	.1	.5	1.0	1.9	.4							3.8	11.2
SW	.2	1.1	1.7	2.2	.6							5.9	10.4
WSW	.5	.9	3.2	2.7	.2							7.5	10.1
W	2.0	6.9	6.4	4.0								19.3	7.6
WNW	1.7	3.2	1.2	.4								6.5	5.4
NW	.6	2.1	.7		.4							3.8	6.4
NNW	1.0	1.0										2.0	3.4
VARBL		1.0	9.5	2.6	.1							13.2	9.3
CALM												3.0	
	10.6	29.1	38.5	16.9	1.9							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160
STATION

HAHN AB DL

STATION NAME

73-51

YEARS

SEP
MONTH

ALL WEATHER
CLAS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	1.2	.1								5.3	5.2
NNE		2.2	1.6	.2								4.1	6.9
NE	.2	.4	.6	.1								1.4	6.6
ENE	.6	.6	.1	.2								1.6	4.9
E	1.2	.9	2.2	.1								4.4	6.2
ESE	.1	1.4	1.2	.1								2.8	6.5
SE	.9	2.2	1.9	.4								5.3	6.4
SSE	.7	2.7	1.7	.6								5.8	6.2
S	.5	1.1	1.6	1.1	.2							4.6	8.4
SSW	.4	.9	1.7	1.4	.2							4.6	9.5
SW	.5	1.5	1.4	1.6	.2							5.2	8.9
WSW	1.1	1.5	4.0	1.9	.2							8.6	8.3
W	3.0	7.2	7.4	2.8	.2							20.6	7.2
WNW	1.9	3.3	1.5	.2								6.9	5.3
NW	1.2	2.1	1.2	.2	.1							4.9	5.8
NNW	.6	1.2	.6	.1								2.6	5.4
VARBL		.2	5.7	2.1	.2	.1						8.4	10.0
CALM												2.8	
	14.2	32.1	35.7	13.5	1.6	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL STATION NAME 73-01 YEARS SEP MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	1.6	.1								5.4	5.0
NNE	.7	2.0	1.2									4.0	5.6
NE	.2	.7	.5									1.5	5.7
ENE	.4	.5	.9									1.7	6.0
E	.6	1.9	.5									3.0	5.0
ESE	1.7	2.3	.5									4.6	3.9
SE	2.7	4.1	1.9	.4								9.0	4.9
SSE	.9	1.4	.7	.4								3.3	5.7
S	1.5	1.4	1.4	.6	.1							4.9	6.2
SSW	.4	1.4	1.0	1.2	.4							4.3	8.9
SW	.5	3.0	1.5	.9	.4							6.2	7.6
WSW	2.0	3.0	2.8	.4	.1							8.3	6.0
W	5.1	7.7	6.3	1.0	.4							20.4	6.0
WNW	2.6	2.6	.6	.1								5.9	4.1
NW	.9	1.2	.7	.2								3.1	5.6
NNW	.6	1.4	.4	.1								2.5	4.8
VARBL			1.9	1.0								2.8	10.6
CALM												9.0	
	22.2	36.6	24.4	6.4	1.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16160 STATION HAHN AB DL 73-81 YEARS SEP MONTH
2100-2300 HOURS (L & T)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.6	1.4	.2								4.7	6.0
NNE	1.0	1.5	1.1	.1								3.7	5.6
NE	.4	1.0	.4									1.7	4.9
ENE	.2	.4	.6									1.2	6.4
E	.9	1.4	.6									2.8	4.7
ESE	1.9	1.7	.5									4.1	4.1
SE	2.5	6.7	.9	.1								10.1	4.5
SSE	2.7	2.0	1.4	.1								6.2	4.5
S	1.4	2.2	1.1	.9								5.6	6.0
SSW	1.0	1.4	.9	.9	.1	.1						4.3	7.3
SW	.5	1.6	1.9	.9	.1							4.9	7.7
WSW	1.4	3.5	2.7	1.0	.2							8.8	6.9
W	4.1	7.8	6.0	1.7								19.6	6.2
WNW	2.1	2.5	.9	.1								5.6	4.7
NW	.9	.6	.5	.1								2.1	4.8
NNW	.2	.5	.4	.1								1.2	6.1
VARBL		.1	1.0	1.5								2.6	10.9
CALM												10.7	
	21.5	37.3	22.1	7.8	.5	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 HAHN AB DL 73-81 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER ALL
CLASS HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	1.3	.1								4.4	5.3
NNE	.6	1.6	.9	.0								3.1	5.6
NE	.2	.6	.3	.0								1.1	5.5
ENE	.4	.5	.4	.1								1.3	5.3
E	.8	1.2	.9	.1								2.9	5.4
ESE	1.4	1.9	.9	.2								4.4	5.1
SE	2.6	3.7	2.5	.5								9.3	5.5
SSE	1.7	2.5	2.0	.4								6.5	5.6
S	.9	1.5	1.2	.5	.1							4.2	6.4
SSW	.5	1.0	.9	1.1	.3	.0						3.8	9.0
SW	.4	1.8	1.7	1.5	.3	.0						5.8	9.0
WSW	1.4	2.6	3.0	1.2	.2							8.4	7.2
W	3.1	7.7	6.4	2.7	.1							20.0	6.8
WNW	1.9	2.6	1.3	.2	.0							6.0	5.1
NW	.9	1.1	.6	.1	.1							2.8	5.4
NNW	.6	.7	.2	.0								1.6	4.6
VARBL		.2	3.2	1.4	.1	.0						4.9	9.9
CALM												9.5	
	18.3	33.2	27.6	10.2	1.1	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 6479

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

176160 STATION HAHN AB DL 73-81 YEARS OCT MONTH
ALL WEATHER CLASS 0000-0200 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	1.4									3.0	5.9
NNE	.7	.5	.8									2.0	5.0
NE	.1	.5	.8									1.4	6.2
ENE		.4	.5	.5								1.3	8.5
E	.5	.8	.8	.4	.2							2.7	7.9
ESE	1.4	2.5	1.3	.7	.2							6.2	6.6
SE	2.9	5.4	6.9	1.9								17.1	6.6
SSE	2.2	3.6	2.6									8.4	5.2
S	.8	1.2	1.6	.5								4.1	6.5
SSW	.1	1.1	.8	.8	.2							3.1	9.3
SW	.6	1.3	1.3	2.4	.4							6.0	9.5
WSW	.4	1.3	1.9	2.6								6.2	9.5
W	2.0	7.0	6.0	1.8	.1							17.0	6.9
WNW	1.1	3.8	1.8	.2								6.9	5.5
NW	.8	1.3	.5									2.6	4.4
NNW	.7	.5	.2									1.4	3.7
VARBL			.8	1.1								1.9	11.8
CALM												8.6	
	15.1	32.0	30.2	12.9	1.2							100.7	6.3

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

16167
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	1.2									3.5	5.3
NNE	.5	.7	.4									1.6	4.8
NE	.2	.6	.7									1.6	6.2
ENE		.8	.1	.6								1.6	8.1
E	.6	1.1	.7	.1								2.5	5.6
ESE	1.2	2.2	1.4	.6	.1	.2						5.7	7.0
SE	3.1	5.1	6.9	2.9								17.9	7.0
SSE	1.0	3.0	2.6	.5								7.0	6.2
S	.6	1.0	1.2	1.0								3.7	7.5
SSW	.4	1.7	1.3	1.2	.2							4.1	8.9
SW	.1	1.3	1.4	1.0	.1							3.9	8.8
WSW	.7	2.3	3.0	1.4	.2							7.6	8.1
W	1.8	6.2	6.2	1.4								15.7	6.7
WNW	1.4	3.7	1.1	.2								6.5	5.2
NW	1.1	1.8	.1	.2								3.2	4.9
NNW	.5	.7	.2									1.4	4.4
VARBL			1.0	1.6	.2							2.7	13.0
CALM												9.8	
	14.5	32.3	29.6	12.7	1.0	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 HAHN AB DL 73-81 OCT

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

0600-0800

HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.6	.1								3.7	6.2
NNE	.1	.4	.6									1.1	6.1
NE	.1	.5	.5									1.1	5.8
ENE	.4	.4	1.1	.4								2.2	7.3
E	.5	1.3	.8	.4								2.6	7.0
ESE	1.2	2.9	1.4	.8		.4						6.7	7.4
SE	2.3	5.4	6.8	3.5								17.9	7.4
SSE	1.6	3.9	3.8	.6								9.9	6.3
S	1.1	1.1	1.6	.7								4.4	6.9
SSW	.4	.5	1.2	.5	.1							2.6	8.2
SW	1.0	1.3	1.1	1.2	.4	.1						5.0	8.7
WSW	.7	2.4	2.4	1.2	.2							6.9	7.9
W	2.3	5.9	4.8	2.2	.4							15.4	7.2
WNW	1.7	3.3	1.1									6.1	4.7
NW	1.1	1.4	.7	.1								3.3	5.2
NNW	.5	.2	.2	.1	.1							1.2	7.0
VARBL			.7	1.4	.1							2.3	12.6
CALM												7.5	
	15.8	31.4	30.3	13.1	1.3	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	1.1	.1								4.3	4.9
NNE	.4	.8	1.2									2.4	6.6
NE	.4	.1	.4									.8	5.0
ENE	.2	.2	.4	.7								1.6	8.9
E	.8	.7	1.2	.7	.2	.2						3.9	8.8
ESE	.6	1.6	2.5	1.6		.2						6.5	8.6
SE	2.2	3.3	6.1	4.5	.2							16.4	8.3
SSE	.8	3.1	4.4	.6								9.0	6.8
S	.7	1.0	1.3	.7								3.7	7.1
SSW	.5	1.0	1.4	.8								3.7	7.7
SW		.8	2.4	1.0	.4	.5						5.0	11.1
WSW	.5	1.7	2.9	1.0	.1							6.1	8.3
W	1.4	4.7	6.1	2.0	.2							14.5	7.5
WNW	1.1	3.0	1.3	.5	.1							6.0	5.9
NW	.2	1.9	1.1	.1								3.3	6.1
NNW	.7	.7	1.1	.1								2.6	6.0
VARBL			2.4	2.3	.4							5.0	11.5
CALM												5.3	
	11.9	26.3	37.2	16.7	1.7	1.0						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 YEARS OCT MONTH
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.9	1.7									4.4	5.6
NNE	.6	1.4	.6	.4								3.0	6.0
NE		.8	.2	.2								1.3	7.0
ENE		.2	.4	.5								1.1	9.7
E	.5	1.0	1.8	1.3	.2							4.8	9.0
ESE	.6	2.0	2.0	1.4	.2	.1						6.5	8.3
SE	1.1	2.7	6.6	2.0	.1							12.5	8.1
SSE	1.2	3.1	3.1	1.0								8.4	6.6
S	.5	1.4	1.6	.6								4.1	7.4
SSW	.1	.7	1.0	.4								2.2	7.8
SW	.2	1.3	1.9	1.7	.7							5.9	10.3
WSW	.5	2.3	2.4	1.1	.2							6.5	8.0
W	.8	6.2	6.7	2.5	.5	.2						17.0	8.2
WNW	1.3	2.4	2.3	.4	.1							6.5	6.2
NW	.8	1.2	1.0	.2								3.2	6.0
NNW	.8	1.3	.6	.2								3.0	5.6
VARBL			3.5	3.6	.2	.1						7.4	11.5
CALM												2.5	
	10.0	30.0	37.2	17.4	2.4	.5						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

OCT

MONTH

ALL WEATHER

CLASS

1500-1700

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.8	.1								4.3	5.9
NNE	.5	1.3	1.3									3.1	6.0
NE	.1	1.0	.5	.4								1.9	6.9
ENE	.1	.1	.5	.5								1.2	8.9
E	.6	.8	.4	1.6								3.3	8.4
ESE	1.0	3.7	1.6	1.9	.1							8.2	7.2
SE	.7	3.9	6.0	2.0								12.7	7.6
SSE	1.2	2.9	2.6	.2								6.9	5.9
S	.2	1.3	1.1	.6								3.2	7.0
SSW	.4	.7	1.4	.2	.2							3.0	8.1
SW	.4	1.4	1.9	1.1	.1							4.9	8.1
WSW	.6	1.6	3.3	1.7	.5							7.6	8.9
W	1.4	7.4	6.1	2.4	.2							17.6	7.3
WNW	1.6	2.9	1.6	.2								6.2	5.3
NW	1.0	1.3	1.2	.2		.1						3.8	6.3
NNW	1.0	.7	.5	.1								2.3	4.7
VARBL		.1	3.6	1.7								5.4	9.9
CALM												4.3	
	11.6	32.6	35.2	14.9	1.2	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0160 STATION HAHN AB DL STATION NAME 73-81 YEARS OCT MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	1.3									3.3	5.5
NNE	.1	1.2	.7	.1								2.2	6.4
NE	.5	.5	.5									1.4	5.2
ENE		.1	.7	.7								1.6	9.9
E	.5	1.1	.7	.4								2.6	6.4
ESE	1.6	1.8	2.4	1.4	.1							7.3	7.4
SE	2.0	4.4	6.6	2.2								15.2	7.3
SSE	1.2	5.7	2.5	.5								9.9	5.9
S	1.2	1.7	.5									3.3	4.4
SSW	.7	1.3	1.1	.2								3.3	6.1
SW	.7	2.7	1.6	.8								5.9	6.8
WSW	.8	2.7	3.1	.7	.1							7.5	7.0
W	1.3	5.4	5.1	1.9	.1							13.9	7.4
WNW	.8	2.5	1.2	.2								4.8	6.1
NW	1.3	.8	.6	.6								3.3	5.6
NNW	.6	.7	.6	.1								2.0	5.8
VARBL			2.3	1.0								3.2	10.3
CALM												9.2	
	14.6	33.6	31.4	10.9	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 16160 STATION NAME MAHN AB DL YEARS 73-81 OCT NORTH
CLASS ALL WEATHER HOURS (LST) 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	1.9									3.0	7.0
NNE	.1	1.4	.5									2.0	5.6
NE		.4	.5	.1								1.0	7.8
ENE	.2	.4	1.2	.5								2.3	8.2
E	.5	.6	.2	.2	.1							1.7	6.9
ESE	1.7	2.7	.8	1.2	.2							6.0	6.8
SE	2.8	4.7	7.1	2.4	.1							17.0	7.1
SSE	2.5	3.5	3.0	.4								9.3	5.4
S	.4	1.9	1.3	.1								3.7	5.8
SSW	.5	.7	1.1	.4								2.6	6.7
SW	.2	1.2	2.6	1.6								5.6	9.0
WSW	.4	1.9	1.8	1.2								5.3	7.9
W	1.7	6.7	5.0	1.3	.4							15.1	6.8
WNW	2.4	2.9	1.8	.4								7.4	5.3
NW	1.1	1.1	1.2									3.3	5.4
NNW	.2	.4	.5	.1								1.2	6.6
VARBL			2.2	1.0	.1							3.2	10.0
CALM												10.3	
	15.0	30.4	32.7	10.8	1.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 160 STATION HAHN AB DL 73-81 YEARS OCT MONTH
ALL WEATHER CLASS ALL HOURS (L S T) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.5	.0								3.7	5.8
NNE	.4	1.0	.8	.1								2.2	5.9
NE	.2	.5	.5	.1								1.3	6.3
ENE	.1	.3	.6	.5								1.6	8.5
E	.6	.9	.8	.6	.1	.0						3.0	7.8
ESE	1.2	2.3	1.7	1.2	.1	.1						6.6	7.4
SE	2.1	4.4	6.6	2.7	.1							15.8	7.4
SSE	1.4	3.6	3.1	.5								8.6	6.0
S	.7	1.3	1.3	.5								3.8	6.6
SSW	.4	.9	1.2	.6	.1							3.1	7.9
SW	.4	1.4	1.8	1.3	.3	.1						5.3	9.1
WSW	.6	2.0	2.6	1.4	.2							6.7	8.2
W	1.6	6.2	5.8	1.9	.2	.0						15.7	7.3
WNW	1.4	3.1	1.5	.3	.0							6.3	5.5
NW	.9	1.4	.8	.2		.0						3.3	5.5
NNW	.6	.7	.5	.1	.0							1.9	5.4
VARBL		.7	2.0	1.7	.1	.0						3.9	11.2
CALM												7.2	
	13.5	31.1	33.0	13.7	1.3	.3						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-160 STATION HAHN AB DL 73-81 NOV
STATION NAME YEARS MONTH
ALL WEATHER CLASS 000-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	15 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.6	.7								3.1	7.5
NNE	.1	1.5	.6									2.2	5.6
NE	.2	.6	.4	.2								1.5	6.7
ENE	.1	.7	.1	.7								1.7	8.6
E		.5	.6	.6								1.7	9.4
ESE	.7	.9	.2	.4								2.2	5.7
SE	1.0	3.3	3.0	1.4	.4							9.0	7.4
SSE	1.4	3.7	2.6	.9								7.8	6.5
S	.4	.7	.4	.6	.1							2.2	8.6
SSW	.4	.9	1.2	1.0								3.5	8.2
SW	.7	2.2	2.8	1.1	.5	.2						7.7	8.9
WSW	.4	2.7	3.1	1.6	1.2	.2						8.5	10.3
W	2.8	6.9	17.6	5.6	.4	.4						26.7	8.3
WNW	.4	2.6	1.7	.6								5.3	6.9
NW	.1	1.2	.4	.5								2.2	7.6
NNW	.5	.1	.7	.4								1.7	7.2
VARBL		.1	3.1	2.8	.6	.4						7.0	12.3
CALM												5.9	
	9.3	29.0	32.2	19.1	3.2	1.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160 STATION HAHN AB DL 73-81 YEARS NCV MONTH 300-0500 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.9	.5								3.8	7.6
NNE	.2	1.1	.6									2.7	5.6
NE	.5	.6	.1	.2								1.5	5.8
ENE	.4	.1	.1	.7								1.4	8.5
E	.4	.2	.7	.5								1.9	8.5
ESE	.9	1.1	.4	.1								2.5	4.6
SE	1.2	4.9	2.0	1.5	.1							9.8	6.5
SSE	1.2	2.3	2.7	.6								6.9	6.6
S	.4	.7	.6	.5	.4							2.6	9.0
SSW	.2	.7	1.6	.4	.1							3.1	8.4
SW	.7	1.2	3.1	1.5	.2							6.8	8.7
WSW	.5	1.1	3.3	1.6	1.1	.2						7.9	10.4
W	2.0	8.9	11.5	4.2	1.1	.1						27.8	8.1
WNW	.7	2.5	3.2	.2								6.7	6.8
NW	.2	.6	.7	.1								1.7	7.0
NNW	.5	.4	.1									1.0	3.6
VARBL			3.0	3.1	.2	.4						6.7	12.0
CALM												6.2	
	10.5	27.8	35.7	15.8	3.3	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

100160 STATION HAHN AB DL STATION NAME 73-81 YEARS NOV MONTH
ALL WEATHER CLASS 1600-0800 HOURS U.S.T.
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.4	.5	.1							2.7	9.0
NNE	.2	1.1	1.0									2.3	5.7
NE		1.0										1.0	5.3
ENE	.1	.9	.6	.5								2.1	7.8
E	.6	.1	.9	.4								2.0	7.4
ESE	.6	.4		.2								1.2	5.5
SE	1.6	2.8	3.5	1.1	.4							9.4	7.1
SSE	1.9	2.3	2.5	1.0								7.7	6.4
S	.2	.6	1.1	.5	.2	.1						2.8	8.8
SSW	.4	.7	.7		.4	.1						2.3	9.4
SW	.5	1.5	2.7	1.7								6.4	8.3
WSW	1.0	2.6	3.3	3.3	.6	.1						11.0	9.2
W	1.5	7.0	11.0	4.7	.7	.1						25.1	8.5
WNW	1.0	3.7	2.0	.1								6.8	5.8
NW	.5	.7	.9	.4								2.5	7.1
NNW	.9	.7	.2	.1								2.0	4.6
VARBL			2.7	2.7	.7	.1						6.3	12.3
CALM												6.4	
	11.0	27.0	34.4	17.3	3.2	.6						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB DL 73-81 YEARS NOV MONTH
ALL WEATHER CLASS 0900-1100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.6	.7	.1							3.5	7.4
NNE	.1	.6	.9	.4								2.0	7.5
NE	.1	.6	.9	.1								1.7	6.7
ENE	.1	.5	.2	.7								1.6	9.1
E	.2	.5	.4	1.0								2.1	8.9
ESE	.6	1.7	.1	.2								2.0	5.1
SE	1.0	3.3	3.2	1.1								8.6	7.2
SSE	1.1	2.6	2.7	1.2								7.7	7.2
S	.5	.7	.6	.6	.2	.1						2.8	8.7
SSW	.2	1.0	1.5	.6								3.3	7.6
SW	.2	1.4	3.5	1.4	.9							7.3	9.7
WSW	.5	1.7	3.8	2.8	.9	.1						9.9	10.3
W	1.7	7.4	17.1	4.1	.9	.1						24.3	8.3
WNW	.9	3.2	3.6	.2								7.9	6.5
NW	.4	.7	.6	.5								2.2	7.6
NNW	.2	.6	.2	.2								1.4	6.2
VARBL			5.2	2.1	.4							7.7	10.3
CALM												4.1	
	8.4	27.5	38.1	18.1	3.3	.4						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100160 STATION HAHN AB DL 73-81 YEARS NOV MONTH
ALL WEATHER CLASS 1200-1400 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	1.7	1.1								4.4	8.1
NNE	.4	.2	1.6	.1								2.3	7.2
NE	.1	.9	.5	.1								1.6	6.4
ENE	.1	.4	.7	.7								2.0	8.9
E	.4	.7	.5	.2								1.9	6.5
ESE	.9	.7	.1	.2								2.0	4.9
SE	.5	3.6	1.7	1.2								7.0	7.0
SSE	1.7	2.6	2.1	.9								7.3	6.3
S	.1	.7	.9		.1							1.9	7.0
SSW	.1	.2	1.0	1.4	.6	.1						3.5	12.6
SW	.1	.9	3.3	3.6	.1							8.0	10.5
WSW	.6	1.5	3.0	2.6	1.0							8.6	10.2
W	1.4	5.8	9.8	4.8	.6							22.3	8.6
WNW	.6	3.7	2.6	.7								7.7	6.8
NW	.4	1.4	1.6	.2								3.6	6.8
NNW	.4	.6	.4									1.4	5.2
VARBL			7.7	3.8	1.0							12.5	10.9
CALM												2.1	
	8.4	24.9	39.1	21.9	3.5	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100160 STATION 100160 HAHN AB DL STATION NAME 73-81 YEARS NOV NORTH
ALL WEATHER CLASS 1500-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	2.6	1.1		.1						5.3	8.4
NNE	.2	1.4	.7	.1								2.5	5.7
NE	.1	1.2	.4	.2								2.0	6.4
ENE	.1	.4	.9	.1								1.5	7.4
E	.6	.2	.5	.4								1.7	7.4
ESE	.6	1.1	.4									2.1	4.5
SE	1.1	2.8	2.2	1.2								7.4	6.7
SSE	.7	2.1	3.5	.2								6.5	6.7
S	.1	1.1	1.0	.1								2.3	6.6
SSW	.5	.9	.7	1.9	.5	.2						4.7	11.1
SW	.9	1.5	2.6	3.0	.5							8.4	9.6
WSW	.7	2.3	3.1	3.3	.5							12.0	9.3
W	1.9	7.4	8.5	4.7	.4	.1						23.0	8.2
WNW	1.5	2.8	3.5	.2								8.0	6.4
NW	.6	.9	.6	.6	.1							2.8	7.3
NNW	.1	.5	.1	.1	.1	.1						1.0	11.9
VARBL		.1	4.0	3.0	.9	.1						8.2	11.6
CALM												2.7	
	2.9	27.8	35.6	20.4	3.0	.7						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

106160 STATION HAHN AB UL STATION NAME 73-81 YEARS NOV MONTH
ALL WEATHER CLASS 1870-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	2.1	1.0								4.4	8.4
NNE	.1	1.4	.5	.2								2.2	6.3
NE	.5	.9	.1	.1								1.6	4.9
ENE	.5	1.5	.6	.7								3.3	7.2
E		.5	.6	.2								1.4	8.5
ESE	.4	.9	.5	.1								1.9	5.5
SE	1.5	2.8	2.5	2.2								9.0	7.2
SSE	1.5	2.2	2.5	.6								6.8	6.1
SSW	1.1	1.1	1.4	.6	.2							4.4	7.0
SW	.5	1.4	1.2	1.6	.4	.2						5.3	10.1
WSW	.5	1.6	1.5	2.0	.6							6.2	9.7
W	1.0	2.6	4.3	3.5	.6	.1						12.1	9.3
WNW	1.6	6.9	6.7	4.3	.5	.2						20.2	8.3
NW	.6	2.6	3.1	.4	.1							6.8	7.0
NNW	.5	1.1	.7	.5								2.7	7.2
NNW		.1	.6			.1						.9	10.3
VARBL		.2	3.2	2.8	.5	.2						7.0	11.9
CALM												3.7	
	10.5	28.8	32.1	21.0	3.0	1.0						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

106160 STATION HAHN AB CL 73-81 YEARS NOV MONTH
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	1.7	.6								3.8	7.5
NNE	.2	.9	1.0	.1								2.2	6.2
NE	.4	.2	.1	.1								.9	5.1
ENE	.1	1.2	1.2	.2								2.8	7.2
E		.2	.9	.9								2.0	9.9
ESE	.6	1.0	.2									1.9	4.8
SE	.9	3.6	2.3	2.0								8.8	7.3
SSE	1.1	2.1	2.7	.1								6.0	6.3
S	.4	1.2	.9	.5								3.0	6.8
SSW	.2	1.1	1.1	.6	.5	.2						3.8	10.3
SW	.2	1.1	2.5	1.2	.2	.2						5.6	10.1
WSW	1.2	3.0	3.3	4.3	.5							12.3	9.2
W	2.6	7.3	7.5	5.7	1.0							24.1	8.5
WNW	.6	2.6	2.6	1.4								7.2	7.6
NW	.1	1.4	1.5	.4								3.3	7.9
NNW	.1	.6	.5		.1							1.4	7.2
VARBL		.1	2.5	2.1	1.1	.4						6.2	13.0
CALM												4.8	
	9.4	28.6	32.6	20.2	3.5	.9						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100160 STATION HAHN AB DL 73-81 YEARS NOV
STATION NAME CLASS ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	1.6	.8	.0	.0						3.9	8.0
NNE	.2	1.7	.9	.1								2.2	6.2
NE	.2	.8	.3	.2								1.5	6.0
ENE	.2	.7	.6	.6								2.1	7.9
E	.3	.4	.6	.5								1.8	8.3
ESE	.7	.9	.2	.2								2.0	5.0
SE	1.1	3.4	2.5	1.5	.1							8.6	7.1
SSE	1.3	2.4	2.7	.7								7.1	6.5
S	.4	.9	.8	.4	.2	.0						2.8	7.8
SSW	.3	.9	1.1	.9	.3	.1						3.7	9.8
SW	.5	1.4	2.7	1.9	.4	.1						7.0	9.4
WSW	.7	2.1	3.4	2.9	.8	.1						10.0	9.7
W	1.9	7.2	9.5	4.8	.7	.1						24.2	8.3
WNW	.8	3.0	2.8	.5	.0							7.0	6.7
NW	.4	1.0	.9	.4	.0							2.6	7.3
NNW	.3	.4	.4	.1	.0	.0						1.3	6.7
VARBL		.1	3.9	2.8	.7	.2						7.7	11.7
CALM												4.5	
	9.7	27.7	35.0	19.2	3.2	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 6480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6160 MAHN AB DL 73-81 DEC
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0000-0200
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	1.2	.5	.1							3.7	7.1
NNE	.2	.8	.4	.1								1.6	6.2
NE	.1	.5	.4	.1								1.1	6.7
ENE		.2	.4	.4								1.0	8.8
E	.4	1.6	.8	.4								3.1	6.6
ESE	.5	1.7	2.3	.6								4.3	7.6
SE	1.0	1.7	5.1	3.8	.8							12.4	9.7
SSE	.5	1.8	2.5	2.2								6.9	8.5
S	.1	.6	.7	.4								1.8	7.8
SSW	.2	.4	.8	.7		.1						2.3	9.6
SW	.1	1.7	1.3	2.3	.4							5.7	10.1
WSW	.1	2.4	4.1	3.5	1.6	.1						11.7	10.8
W	.5	5.1	11.2	5.1	.6	.1						22.7	9.3
WNW	1.1	1.4	2.5	1.3	.1							6.5	8.2
NW	.5	.5	1.0	.8								2.7	8.3
NNW	.2	.4	.1	.4								1.1	7.3
VARBL			3.8	2.2	.1							6.1	10.6
CALM												5.4	
	6.2	21.1	38.6	24.6	3.7	.4						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 16" STATION HAHN AB DL STATION NAME 73-81 YEARS DEC MONTH
ALL WEATHER CLASS 300-0500 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	1.3	.2								3.0	6.4
NNE	.5	.7	.4	.2								1.8	5.8
NE	.2	.1	.5									.8	6.4
ENE		.5	.2	.5								1.2	9.4
E		.7	1.3	.5								2.5	8.3
ESE	.8	2.0	1.9	.6								5.4	6.9
SE	.7	2.9	4.2	3.9	.7							12.4	9.6
SSE	1.1	1.1	2.2	2.2								6.5	8.4
S	.4	.2	.2	.4	.2							1.4	9.7
SSW	.6	.6	1.0	1.7								3.8	9.6
SW	.2	1.4	1.2	1.9	.8	.2						5.9	11.2
WSW	.6	1.8	4.1	3.5	1.1	.1						11.1	10.5
W	.7	6.1	11.1	4.8	.4	.1						23.2	8.8
WNW	1.0	1.2	2.3	.7								5.1	7.2
NW	.8	.4	.4	1.2	.1							2.9	8.3
NNW	.4	.4	.1	1.3	.1							2.3	10.3
VARBL			3.3	1.9	.4	.1						5.7	11.2
CALM												5.0	
	8.6	20.9	35.6	25.4	3.8	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS DEC MONTH
ALL WEATHER CLASS 2600-0800 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.2	.7								2.7	6.4
NNE		.7	.8	.4								1.9	7.8
NE	.4	.2	.5									1.1	5.7
ENE		.4	.4	.5								1.2	9.4
E	.1	.8	.8	.2								2.0	7.3
ESE	.6	1.3	2.3	1.2								5.4	8.2
SE	1.7	2.6	4.3	3.5	.2							12.3	8.4
SSE	.8	2.2	2.5	1.7	.1							7.3	7.9
S	.2	.4	.4	.6	.2							1.8	9.8
SSW	.6	.2	.2	1.6	.6							3.2	11.2
SW	.1	1.1	2.2	2.5	.5	.1						6.5	10.8
WSW	1.4	2.6	2.9	3.3	1.6	.1						11.9	9.9
W	1.2	6.1	10.3	5.4	.6	.2						23.8	8.8
WNW	.8	1.7	2.3	.6								5.4	6.9
NW	.2	.4	.6	1.4								2.6	10.0
NNW		.1	.2	.2	.1							.7	11.2
VARBL		.1	2.5	2.7	.2	.2	.1					6.0	12.1
CALM												4.2	
	9.0	22.0	33.3	26.5	4.2	.7	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0167 STATION HAHN AE DL STATION NAME 73-81 YEARS DEC MONTH
ALL WEATHER CLASS 1900-1100 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	.6									2.0	5.4
NNE		.5	.8	.1								1.4	8.4
NE	.2	.5	.7									1.4	6.8
ENE	.2		.8	.4								1.4	9.3
E	.6	1.1	1.0	.1	.1							2.9	6.9
ESE	.5	1.9	1.8	1.7								5.9	8.3
SE	.7	2.6	4.7	2.9	.4							11.2	9.2
SSE	.8	1.3	1.9	3.5								7.5	9.4
S		.2	.4	.6	.2	.1						1.6	12.5
SSW	.1	.2	.1	1.1	.4	.4						2.3	14.8
SW	.4	.7	1.3	1.9	.4	.2						4.9	10.8
WSW	.2	2.5	3.7	3.1	.5	.1						9.4	9.9
W	.7	5.5	13.7	6.1	1.7	.4						28.1	9.6
WNW	.5	1.1	2.0	.1	.1							3.8	7.3
NW	.4	.7	1.1	.7								2.9	7.9
NNW	.1	.2	.5									.8	6.3
VARBL			3.2	3.5	.8	.1						7.6	12.2
CALM												4.8	
	5.7	20.3	37.6	25.7	4.5	1.3						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 616C
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.5	.7	1.2	.2								2.6	6.8
NNE		1.0	1.2		.1							2.3	7.6
NE	.1	.6	.2	.1								1.1	6.3
ENE	.1	.2	.8	.4								1.6	8.7
E	.1	.6	1.6	.5								2.7	8.7
ESE	.5	2.0	1.3	1.2	.1							5.1	7.7
SE	.6	3.2	5.0	3.7	.6							13.1	9.0
SSE	1.0	.5	2.0	1.9								5.4	8.7
S	.5	.4	1.0	.4								2.2	7.6
SSW	.2	.1	.5	.8		.5						2.2	13.4
SW	.2	.5	.8	1.4	.5	.1						3.6	11.4
WSW	.5	1.9	3.5	5.0	.5	.1						11.5	10.6
W	1.3	5.5	9.3	6.5	2.0	.4						25.0	9.8
WNW	.5	2.3	2.9	.5		.1						6.2	7.3
NW	.5	.8	1.4	.7								3.5	7.9
NNW	.1	.4	.6	.1	.1							1.3	8.0
VARBL			3.1	4.8	.7	.1						8.7	12.4
CALM												2.0	
	6.7	20.7	36.4	28.2	4.7	1.3						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-162 STATION HAHN AB DL STATION NAME 73-81 YEARS DEC MONTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED ENTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	2.5	.4	.2							3.6	7.8
NNE	.2	1.6		.4								2.2	6.1
NE	.4	.8	.8	.4								2.4	6.9
ENE	.1	.6	.4									1.1	6.1
E	.1	.7	1.7	.1								2.6	7.2
ESE	1.2	.8	1.8	1.1	.1							4.8	7.9
SE	1.2	2.9	3.1	4.7								11.8	8.7
SSE	.2	1.2	1.8	1.6	.1							4.9	8.6
S	.4	1.0		.5								1.8	6.4
SSW	.2	.5	.5	.7	.4							2.3	10.0
SW	.5	.5	1.7	2.7	.6							6.0	11.0
WSW	.4	1.7	4.1	4.7	1.0							11.7	10.4
W	2.5	6.2	8.4	5.7	.7	.2						23.3	8.7
WNW	1.1	3.0	1.9	.7	.2							6.9	6.8
NW	.4	.7	1.2	.2	.2							2.7	8.5
NNW	.1	.7	.2	.1								1.2	5.9
VARBL			2.9	4.2	.8	.1						8.0	12.5
CALM												2.7	
	9.0	23.5	31.9	28.1	4.4	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

DEC
MONTH

ALL WEATHER

CLASS

1800-2000

HOURLY (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	1.2	.8								3.5	7.9
NNE	.4	.4	.8	.4								1.9	7.8
NE	1.0	.7	.5									2.2	4.3
ENE	.7	.7	.8	.1								2.4	6.2
E	.4	.8	1.8									3.0	6.7
ESE	.4	.6	1.8	1.2	.1							4.1	9.2
SE	.8	2.7	4.8	4.1	.4							12.1	9.3
SSE	.2	1.2	1.9	2.5								5.9	9.5
S	.5	.7	.4	.7								2.3	7.9
SSW	.2	.2	.6	1.0	.2	.2						2.5	12.0
SW	.5	.5	1.4	2.9	.7	.2						6.2	12.1
WSW	.7	2.0	4.1	4.4	.2							11.5	9.7
W	2.6	5.4	10.3	4.3	.8	.1						23.5	8.5
WNW	1.4	2.0	1.6	.7								5.7	6.4
NW		.4	.7	.6								1.7	9.6
NNW			.4	.5		.1						1.0	13.4
VARBL			1.7	3.7	1.0	.1						6.5	13.5
CALM												4.3	
	10.3	18.6	34.6	27.8	3.5	.8						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0160 STATION HAHN AB DL STATION NAME 73-81 YEARS MONTH DEC
ALL WEATHER CLASS 2100-2300 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	.1	.8								2.9	8.5
NNE	.7	.6	.5	.1								1.9	5.4
NE	.1	.1	.1	.4								.7	8.7
ENE	.1	1.0	.1	.2								1.4	6.3
E	.4	1.7	.6	.5								3.1	6.8
ESE	.4	1.2	1.4	.6	.1							3.7	8.3
SE	1.9	2.3	4.7	5.1	.4							14.3	9.1
SSE	.5	2.0	1.6	2.0								6.1	8.8
S	.1	.5	.8	.4								1.8	8.6
SSW	.4	.2	.6	1.0	.2							2.4	10.2
SW	.1	2.0	1.9	2.2	.7							6.9	10.1
WSW	.8	2.2	2.0	4.2	.7							9.9	10.0
W	1.0	6.1	9.2	7.8	.7							24.7	9.1
WNW	.6	1.2	2.0	1.0								4.8	8.2
NW	.1	.5	.8	.8								2.3	8.8
NNW	.2	.6	.4	.4								1.6	7.2
VARBL		.1	2.6	2.3	.6							5.6	11.7
CALM												5.9	
	7.6	22.9	30.5	29.6	3.5							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL 73-81 YEARS DEC MONTH
ALL WEATHER CLASS ALL HOURS (L S T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	1.0	.5	.0							3.0	7.1
NNE	.3	.8	.6	.2	.0							1.9	6.8
NE	.3	.4	.5	.1								1.3	6.2
ENE	.2	.4	.5	.3								1.4	7.8
E	.3	1.1	1.2	.3	.0							2.7	7.3
ESE	.6	1.4	1.8	1.0	.1							4.8	8.0
SE	1.1	2.5	4.5	4.0	.4							12.5	9.1
SSE	.6	1.4	2.0	2.2	.0							6.3	8.7
S	.3	.5	.5	.5	.1	.0						1.8	8.6
SSW	.3	.3	.5	1.1	.2	.1						2.6	11.2
SW	.3	1.0	1.5	2.2	.6	.1						5.7	10.9
WSW	.6	2.1	3.4	4.0	.9	.1						11.1	10.2
W	1.3	5.7	10.4	5.7	.9	.2						24.3	9.1
WNW	.9	1.7	2.2	.7	.1	.2						5.6	7.3
NW	.4	.5	.9	.8	.0							2.7	8.6
NNW	.1	.3	.3	.4	.0	.2						1.2	8.7
VARBL		.7	2.9	3.2	.6	.1	.0					6.8	12.1
CALM												4.3	
	7.9	21.3	34.8	27.0	4.0	.7	.0					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 6160 STATION HAHN AB DL 73-81 YEARS ALL MONTH ALL HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	1.8	.3	.0	.0						5.6	6.0
NNE	.5	1.7	1.2	.2	.0							3.6	6.2
NE	.4	.9	.8	.3	.0							2.4	6.6
ENE	.4	.8	1.1	.4	.0	.0	.0					2.7	7.3
E	.0	1.5	1.3	.5	.1	.0						4.3	6.6
ESE	1.4	2.1	1.4	.7	.1	.0						5.6	6.3
SE	1.5	3.0	3.2	1.4	.1	.0						9.2	7.0
SSE	1.1	1.8	1.7	.5	.0							5.2	6.2
S	.6	1.0	.8	.4	.0	.0						2.8	6.6
SSW	.4	.7	.9	.7	.1	.0						2.9	8.6
SW	.4	1.3	1.7	1.3	.2	.1	.0					4.9	9.0
WSW	.9	2.2	2.7	1.7	.3	.0	.0					7.9	8.4
W	2.0	6.1	6.6	2.7	.3	.0	.0	.0				17.7	7.5
WNW	1.3	2.7	1.8	.3	.0	.0						6.2	5.9
NW	.7	1.4	1.1	.3	.0	.0						3.6	6.2
NNW	.6	1.0	.6	.2	.0	.0						2.4	5.7
VARBL	.0	.1	3.9	2.1	.3	.1	.0					6.5	10.6
CALM												6.7	
	14.2	30.8	32.5	14.0	1.6	.3	.0	.0				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 78870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 6160 STATION HAHN AB DL STATION NAME 73-81 YEARS ALL MONTH ALL HOURS (L S T)

INSTRUMENT CLASS
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OP MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	2.3	.7	.0	.0						6.2	6.7
NNE	.3	1.3	1.4	.2	.0							3.3	6.7
NE	.3	.8	1.1	.4	.0							2.7	7.4
ENE	.3	.6	1.1	.4	.0							2.3	7.6
E	.5	.8	.8	.3	.0							2.4	6.6
ESE	.7	1.3	.9	.6	.1	.0						3.5	7.0
SE	1.0	2.2	2.8	1.6	.1							7.8	7.8
SSE	.8	1.3	1.5	.5	.0							4.2	6.8
S	.4	.5	.5	.3	.0	.0						1.7	7.3
SSW	.2	.4	.6	.7	.1	.0						2.1	9.8
SW	.3	1.7	1.7	1.7	.3	.1						5.1	10.2
WSW	.6	1.9	3.5	2.8	.6	.1	.0					9.5	9.7
W	1.5	6.4	9.8	5.0	.7	.1	.0					23.5	8.6
WNW	1.2	2.9	2.8	.5	.1	.0						7.5	6.6
NW	.7	1.5	1.4	.5	.0	.0						4.2	6.7
NNW	.5	.9	.7	.3	.0	.0						2.4	6.5
VARBL		.0	3.6	2.8	.5	.1	.0					7.1	11.5
CALM												4.5	
	10.1	26.0	36.7	19.4	2.7	.5	.0					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 20920

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	5.2	9.0	9.1	9.5	11.0	11.0	12.1	12.5	12.9	13.8	14.1	14.3	14.7	15.3	15.9	16.3
≥ 20000	6.7	10.2	10.4	10.8	12.6	12.6	13.8	14.3	14.7	15.6	15.9	16.0	16.5	17.2	17.8	18.2
≥ 18000	6.7	10.2	10.4	10.8	12.6	12.6	13.8	14.3	14.7	15.6	15.9	16.0	16.5	17.2	17.8	18.2
≥ 16000	6.7	10.2	10.4	10.8	12.6	12.6	13.8	14.3	14.7	15.6	15.9	16.0	16.5	17.2	17.8	18.2
≥ 14000	6.7	10.2	10.4	10.8	12.6	12.6	13.8	14.3	14.7	15.6	15.9	16.0	16.5	17.2	17.8	18.2
≥ 12000	6.8	10.3	10.5	10.9	12.7	12.7	13.9	14.4	14.9	15.7	16.0	16.2	16.6	17.4	18.0	18.3
≥ 10000	6.8	10.3	10.5	11.0	12.9	12.9	14.1	14.6	15.1	15.9	16.3	16.4	16.9	17.6	18.2	18.6
≥ 9000	6.9	10.4	10.7	11.1	13.1	13.1	14.3	14.7	15.2	16.0	16.4	16.5	17.0	17.7	18.3	18.7
≥ 8000	7.7	11.7	12.0	12.6	14.6	14.7	16.2	16.6	17.2	18.1	18.4	18.6	19.0	19.8	20.4	20.7
≥ 7000	7.8	11.9	12.1	12.7	15.0	15.1	16.5	17.0	17.6	18.4	18.8	18.9	19.4	20.1	20.7	21.1
≥ 6000	7.9	12.0	12.2	12.8	15.3	15.4	16.9	17.4	18.0	18.8	19.2	19.3	19.8	20.5	21.1	21.4
≥ 5000	8.5	12.6	12.8	13.4	16.2	16.3	17.7	18.2	18.8	19.6	20.0	20.1	20.6	21.3	22.2	22.5
≥ 4500	9.1	13.1	13.3	13.9	16.6	16.8	18.2	18.7	19.3	20.1	20.5	20.6	21.1	21.8	22.6	23.0
≥ 4000	9.8	14.0	14.3	15.2	18.0	18.1	19.5	20.0	20.6	21.4	21.8	21.9	22.4	23.1	24.0	24.3
≥ 3500	10.5	14.9	15.1	16.0	18.9	19.0	20.6	21.4	22.2	23.2	23.6	23.7	24.2	24.9	25.7	26.1
≥ 3000	12.2	16.9	17.2	18.7	21.6	21.7	23.4	24.2	24.9	26.2	26.6	26.7	27.2	27.9	28.7	29.1
≥ 2500	14.4	20.0	20.7	22.2	25.4	25.5	27.2	28.0	28.7	30.1	30.4	30.5	31.0	31.7	32.6	32.9
≥ 2000	16.8	23.7	24.8	26.6	30.1	30.2	31.9	32.8	33.5	34.9	35.2	35.3	35.8	36.5	37.4	37.7
≥ 1800	18.3	25.0	26.1	27.9	31.4	31.5	33.2	34.1	34.9	36.2	36.5	36.6	37.1	37.8	38.7	39.0
≥ 1500	20.8	28.9	30.1	32.7	37.0	37.1	38.8	39.9	40.6	41.9	42.3	42.4	42.9	43.6	44.4	44.8
≥ 1200	23.8	32.5	33.9	37.0	41.7	41.8	43.8	45.0	45.7	47.1	47.4	47.5	48.0	48.7	49.6	49.9
≥ 1000	25.6	36.0	37.6	41.6	47.1	47.3	49.3	50.5	51.4	52.9	53.3	53.4	54.0	54.7	55.6	55.9
≥ 900	25.6	36.3	37.8	41.9	48.4	48.6	50.7	51.9	52.7	54.3	54.6	54.7	55.3	56.2	57.0	57.4
≥ 800	26.3	37.2	39.2	44.2	51.3	51.5	53.5	55.2	56.0	58.0	58.3	58.4	59.0	59.9	60.7	61.1
≥ 700	26.7	37.8	40.7	46.2	53.9	54.3	56.6	58.4	59.3	61.2	61.6	61.7	62.3	63.1	64.0	64.3
≥ 600	26.7	38.7	41.9	48.1	56.5	56.9	59.5	61.6	62.4	64.4	64.8	64.9	65.5	66.3	67.2	67.5
≥ 500	26.8	39.4	42.8	49.3	58.9	59.3	62.8	65.1	66.1	68.1	68.5	68.6	69.2	70.1	70.9	71.3
≥ 400	27.3	40.2	43.6	50.5	61.2	61.6	65.4	68.6	69.6	72.1	72.5	72.9	73.5	74.4	75.2	75.6
≥ 300	27.4	40.4	43.7	50.8	62.9	63.2	68.3	72.8	74.0	77.7	78.2	78.8	80.1	81.0	81.8	82.2
≥ 200	27.5	40.6	44.0	51.1	63.6	64.0	69.1	74.7	76.5	80.8	81.6	82.5	84.4	86.2	87.3	88.0
≥ 100	27.5	41.6	44.0	51.4	64.1	64.4	69.9	75.9	78.2	83.0	83.7	84.8	87.2	90.2	94.4	98.1
≥ 0	27.5	40.6	44.0	51.4	64.1	64.4	69.9	75.9	78.2	83.0	83.7	84.9	87.3	90.3	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5150 HAHN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	4.7	6.9	7.6	8.0	9.2	9.2	10.3	10.5	11.0	11.7	11.9	11.9	12.0	12.3	12.8	12.9
≥ 20000	5.3	7.5	8.3	8.7	10.3	10.3	11.5	11.9	12.3	13.1	13.2	13.2	13.3	13.7	14.1	14.4
≥ 18000	5.3	7.6	8.5	8.9	10.5	10.5	11.7	12.1	12.6	13.3	13.4	13.4	13.5	13.9	14.4	14.6
≥ 16000	5.3	7.7	8.6	9.1	10.6	10.6	11.9	12.2	12.7	13.4	13.5	13.5	13.7	14.0	14.5	14.8
≥ 14000	5.3	7.7	8.6	9.1	10.6	10.6	11.9	12.2	12.7	13.4	13.5	13.5	13.7	14.0	14.5	14.8
≥ 12000	5.3	7.7	8.6	9.1	10.6	10.6	11.9	12.2	12.7	13.4	13.5	13.5	13.7	14.0	14.5	14.8
≥ 10000	5.6	8.0	8.6	9.3	11.1	11.1	12.3	12.7	13.2	13.9	14.0	14.0	14.1	14.5	15.0	15.4
≥ 9000	5.7	8.1	8.9	9.4	11.2	11.2	12.5	12.8	13.3	14.0	14.1	14.1	14.5	14.9	15.4	15.7
≥ 8000	6.4	8.9	10.0	10.5	12.6	12.6	13.8	14.1	14.6	15.4	15.5	15.5	16.0	16.3	16.8	17.2
≥ 7000	6.8	9.3	10.4	10.9	13.3	13.3	14.5	14.9	15.4	16.1	16.2	16.2	16.7	17.0	17.5	17.9
≥ 6000	6.8	9.3	10.4	10.9	13.3	13.3	14.5	14.9	15.4	16.1	16.2	16.2	16.7	17.0	17.5	17.9
≥ 5000	7.5	10.3	11.4	11.9	14.3	14.3	15.6	16.0	16.4	17.2	17.3	17.4	17.9	18.3	18.7	19.1
≥ 4500	8.2	11.0	12.1	12.6	15.0	15.0	16.3	16.7	17.2	17.9	18.0	18.1	18.6	19.1	19.6	20.0
≥ 4000	9.8	12.9	14.1	15.1	17.5	17.5	19.1	19.5	20.0	20.7	20.9	21.0	21.5	22.0	22.5	22.9
≥ 3500	10.3	13.5	14.8	16.0	19.0	19.0	20.6	21.3	21.8	22.6	22.9	23.0	23.5	23.9	24.4	24.8
≥ 3000	11.4	14.9	16.2	17.9	21.2	21.2	23.0	23.7	24.2	25.0	25.3	25.4	25.9	26.4	26.8	27.2
≥ 2500	12.9	16.9	18.9	20.6	23.9	23.9	25.9	26.6	27.1	28.1	28.3	28.4	28.9	29.6	30.1	30.5
≥ 2000	14.5	18.7	20.7	22.6	26.2	26.2	28.3	29.3	29.7	30.7	31.0	31.1	31.6	32.3	32.8	33.1
≥ 1800	15.5	20.1	22.0	24.1	27.8	27.8	29.9	30.8	31.3	32.3	32.5	32.6	33.1	33.9	34.3	34.7
≥ 1500	17.7	23.0	25.0	27.7	32.2	32.3	34.3	35.4	35.9	37.0	37.2	37.4	37.8	38.6	39.1	39.4
≥ 1200	20.4	26.7	28.8	32.0	37.7	37.8	39.9	41.0	41.5	42.6	42.9	43.0	43.5	44.3	44.7	45.1
≥ 1000	22.2	29.4	31.4	35.6	41.7	41.8	43.9	45.0	45.5	46.8	47.2	47.3	47.8	48.5	49.0	49.3
≥ 900	22.9	30.4	32.4	36.5	43.5	43.7	45.9	47.0	47.5	48.9	49.2	49.3	49.8	50.5	51.0	51.4
≥ 800	23.6	31.7	34.3	38.7	46.1	46.3	48.9	49.9	50.4	51.8	52.1	52.2	52.7	53.6	54.1	54.4
≥ 700	24.2	32.8	36.0	40.9	49.6	49.8	52.8	54.1	54.5	55.9	56.2	56.3	56.8	57.7	58.2	58.5
≥ 600	25.4	34.1	37.4	42.3	52.5	52.7	56.3	57.8	58.3	59.7	60.1	60.2	60.7	61.5	62.0	62.4
≥ 500	25.9	35.3	38.7	44.1	57.0	57.3	61.4	63.2	63.7	65.4	65.9	66.0	66.6	67.5	68.0	68.3
≥ 400	26.4	36.0	39.5	45.1	59.5	60.0	64.4	66.6	67.4	69.5	70.3	70.4	71.3	72.2	72.7	73.0
≥ 300	26.4	36.0	39.5	45.2	60.3	60.9	67.6	70.6	71.6	74.0	74.7	75.1	76.1	77.0	77.5	77.9
≥ 200	26.4	36.0	39.5	45.5	61.3	62.0	69.3	73.2	74.2	78.0	79.3	79.9	81.3	83.2	84.4	85.0
≥ 100	26.4	36.0	39.5	45.5	61.8	62.5	70.6	74.7	76.1	80.9	82.3	83.2	84.9	89.1	94.1	97.6
≥ 0	26.4	36.0	39.5	45.5	61.8	62.5	70.6	74.7	76.1	80.9	82.5	83.3	85.1	89.4	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIA WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167

HAHN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	5.4	6.0	6.6	6.3	10.1	10.2	11.0	11.3	11.7	12.2	12.2	12.2	12.2	12.7	13.0	13.0
≥ 20000	5.8	6.8	7.4	9.1	11.1	11.2	11.9	12.3	12.7	13.2	13.2	13.2	13.2	13.6	14.0	14.0
IV 18000	5.8	6.8	7.4	9.4	11.4	11.6	12.3	12.7	13.0	13.5	13.5	13.5	13.5	14.0	14.4	14.4
IV 16000	5.8	6.8	7.4	9.6	11.7	11.8	12.5	12.9	13.3	13.8	13.8	13.8	13.8	14.3	14.6	14.6
IV 14000	6.0	6.9	7.6	9.7	11.8	11.9	12.7	13.0	13.5	14.0	14.0	14.0	14.0	14.5	14.9	14.9
IV 12000	6.0	6.9	7.6	9.7	11.8	11.9	12.7	13.0	13.5	14.0	14.0	14.0	14.0	14.5	14.9	14.9
IV 10000	6.3	7.3	7.9	10.1	12.3	12.4	13.2	13.5	14.0	14.5	14.5	14.5	14.5	15.0	15.3	15.3
IV 9000	6.6	7.6	8.2	10.4	12.5	12.7	13.4	13.8	14.3	14.7	14.7	14.7	14.7	15.0	15.5	15.5
IV 8000	6.6	7.7	8.4	10.6	12.9	13.0	13.8	14.3	14.7	15.2	15.2	15.2	15.2	15.5	16.0	16.3
IV 7000	7.3	8.5	9.3	11.4	13.9	14.0	14.7	15.2	15.7	16.2	16.2	16.2	16.2	16.4	16.9	17.5
IV 6000	7.3	8.5	9.3	11.6	14.0	14.1	14.9	15.3	15.8	16.3	16.3	16.3	16.3	16.6	17.1	17.7
IV 5000	7.8	9.1	9.9	12.2	14.6	14.7	15.5	16.0	16.4	16.9	16.9	16.9	16.9	17.2	17.7	18.3
IV 4500	8.0	9.4	10.1	12.4	14.9	15.0	15.7	16.2	16.7	17.2	17.2	17.2	17.2	17.4	17.9	18.5
IV 4000	9.3	11.0	11.7	14.1	16.6	16.7	17.4	17.9	18.4	19.0	19.0	19.0	19.0	19.2	19.7	20.3
IV 3500	9.9	11.8	12.5	15.0	17.8	17.9	18.6	19.4	19.9	20.5	20.5	20.5	20.5	20.7	21.3	21.9
IV 3000	10.5	12.7	13.4	16.1	19.4	19.5	20.3	21.1	21.6	22.2	22.2	22.2	22.2	22.4	23.0	23.6
IV 2500	12.1	14.4	15.8	18.5	22.0	22.2	23.0	23.8	24.2	24.8	24.8	25.0	25.2	25.9	26.7	26.7
IV 2000	14.4	16.8	18.6	21.3	25.0	25.1	26.1	26.8	27.3	27.9	27.9	28.0	28.3	29.0	29.7	29.7
IV 1800	15.5	17.9	20.0	22.7	26.3	26.4	27.8	28.5	29.0	29.6	29.6	29.7	30.0	30.7	31.4	31.4
IV 1500	18.5	23.0	25.3	28.5	32.4	32.6	34.1	35.1	35.7	36.3	36.3	36.5	36.9	37.6	38.4	38.4
IV 1200	19.7	24.8	27.5	31.2	35.9	36.3	38.2	39.2	39.8	40.4	40.4	40.7	41.0	41.8	42.5	42.5
IV 1000	21.2	26.6	29.6	33.5	38.7	39.1	41.0	42.0	42.6	43.6	43.6	43.8	44.2	44.9	45.7	45.7
IV 900	22.2	27.5	30.6	34.6	40.8	41.2	43.4	44.3	44.9	45.9	45.9	46.3	46.7	47.4	48.1	48.1
IV 800	23.6	29.4	32.8	37.3	44.5	44.8	47.4	48.4	49.0	50.1	50.2	50.5	50.9	51.6	52.4	52.4
IV 700	24.6	30.6	34.0	38.7	46.7	47.0	49.9	51.0	51.6	52.9	53.0	53.3	54.0	54.7	55.4	55.4
IV 600	25.8	32.0	35.6	40.4	49.9	50.3	54.0	55.2	55.9	57.2	57.4	57.7	58.5	59.2	59.9	60.0
IV 500	26.8	33.3	37.4	43.0	53.8	54.2	58.7	60.0	60.8	62.5	62.9	63.2	63.9	64.7	65.4	65.5
IV 400	26.8	33.9	38.2	44.1	56.5	56.9	62.7	64.4	65.2	67.5	68.1	68.5	69.4	70.2	70.9	71.0
IV 300	27.3	34.3	39.1	45.2	59.8	60.4	66.7	69.2	70.0	72.8	73.4	73.8	75.2	76.1	76.9	77.0
IV 200	27.4	34.8	39.7	45.9	61.1	61.8	68.9	71.9	73.2	77.2	78.2	78.8	80.8	83.8	85.9	86.2
IV 100	27.4	34.8	39.7	46.0	61.3	61.9	69.2	72.6	74.4	78.9	80.1	81.5	83.8	88.3	93.9	97.9
IV 0	27.4	34.8	39.7	46.0	61.3	61.9	69.2	72.6	74.4	78.9	80.1	81.5	83.9	88.9	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	3.7	5.8	6.7	7.6	8.7	8.7	8.9	9.5	10.0	10.5	10.8	10.8	11.1	11.3	11.8	11.9
≥ 20000	5.5	7.8	9.0	10.0	11.2	11.2	11.4	12.0	12.5	13.2	13.7	13.8	14.3	14.9	15.4	15.5
≥ 18000	5.5	7.8	9.0	10.0	11.2	11.2	11.4	12.0	12.5	13.2	13.8	14.0	14.4	15.0	15.5	15.6
≥ 16000	5.7	7.9	9.1	10.1	11.3	11.3	11.6	12.2	12.6	13.4	14.0	14.1	14.6	15.2	15.6	15.8
≥ 14000	5.8	8.1	9.3	10.2	11.4	11.4	11.7	12.4	12.9	13.6	14.2	14.3	14.8	15.4	15.9	16.0
≥ 12000	6.1	8.4	9.7	10.7	11.9	11.9	12.2	12.9	13.4	14.1	14.7	14.8	15.3	15.9	16.4	16.5
≥ 10000	6.1	8.8	10.1	11.1	12.4	12.4	12.6	13.4	13.8	14.6	15.2	15.3	15.8	16.4	16.8	17.1
≥ 9000	6.1	8.8	10.1	11.1	12.4	12.4	12.6	13.4	13.8	14.6	15.2	15.3	15.8	16.4	16.8	17.1
≥ 8000	6.6	9.4	10.7	11.7	13.1	13.1	13.4	14.1	14.6	15.3	15.9	16.0	16.6	17.3	17.8	18.1
≥ 7000	6.9	9.6	11.0	11.9	13.4	13.4	13.6	14.3	14.8	15.5	16.1	16.2	16.8	17.6	18.3	18.5
≥ 6000	6.9	9.6	11.0	11.9	13.4	13.4	13.6	14.4	14.9	15.6	16.2	16.4	17.0	17.7	18.4	18.7
≥ 5000	7.3	10.1	11.4	12.4	13.8	13.8	14.1	14.9	15.4	16.1	16.7	16.8	17.4	18.2	18.9	19.1
≥ 4500	7.5	10.2	11.6	12.5	14.0	14.0	14.2	15.0	15.5	16.2	16.8	17.0	17.6	18.3	19.0	19.3
≥ 4000	8.5	11.7	13.2	14.3	16.2	16.2	16.7	17.7	18.2	18.9	19.5	19.6	20.2	20.9	21.7	21.9
≥ 3500	9.6	13.1	14.7	15.8	18.3	18.3	18.8	20.1	20.6	21.3	21.9	22.0	22.6	23.3	24.1	24.3
≥ 3000	10.6	14.3	16.2	17.4	20.6	20.6	21.2	22.5	23.0	23.9	24.5	24.7	25.4	26.1	26.8	27.1
≥ 2500	12.0	16.1	18.3	19.5	23.2	23.2	24.1	25.4	25.9	26.8	27.4	27.6	28.3	29.0	29.7	30.0
≥ 2000	15.4	20.1	22.5	23.8	27.8	27.8	28.8	30.3	30.8	31.8	32.4	32.6	33.3	34.1	34.8	35.0
≥ 1800	16.6	21.5	24.1	25.5	29.7	29.7	30.7	32.3	32.7	33.8	34.4	34.7	35.4	36.1	36.8	37.1
≥ 1500	19.3	24.9	27.9	29.6	33.9	33.9	35.0	36.6	37.2	38.4	39.0	39.4	40.1	40.8	41.5	41.9
≥ 1200	21.7	28.6	32.0	33.9	38.3	38.3	39.6	41.2	41.9	43.2	43.8	44.2	44.9	45.6	46.3	46.7
≥ 1000	23.1	30.1	33.8	36.2	40.9	40.9	42.7	44.3	45.0	46.3	46.9	47.3	48.1	48.9	49.6	50.1
≥ 900	23.6	30.7	34.7	37.3	42.0	42.0	44.0	45.8	46.6	47.9	48.5	48.9	49.7	50.4	51.1	51.6
≥ 800	24.7	32.5	36.7	39.7	45.1	45.1	47.4	49.6	50.3	51.6	52.3	52.7	53.5	54.3	55.0	55.5
≥ 700	24.9	33.0	37.4	40.4	46.2	46.2	48.6	50.8	51.5	53.7	54.4	54.8	55.6	56.3	57.0	57.5
≥ 600	25.5	33.9	38.7	42.1	49.0	49.1	51.6	54.2	55.0	57.3	58.0	58.5	59.3	60.0	60.8	61.3
≥ 500	25.9	34.7	39.6	43.4	50.7	50.8	53.5	56.7	57.5	60.6	61.4	62.0	62.9	63.8	64.5	65.1
≥ 400	26.2	35.1	40.3	44.4	52.3	52.5	56.6	60.2	61.0	64.6	65.6	66.2	67.3	68.2	69.2	70.0
≥ 300	26.4	35.5	40.7	44.8	54.0	54.2	59.6	64.0	65.2	69.7	70.9	71.5	73.3	74.4	75.3	76.3
≥ 200	26.4	35.5	40.8	44.9	54.4	54.5	60.3	65.8	68.0	73.2	74.7	75.6	77.9	81.1	83.6	85.3
≥ 100	26.4	35.5	40.8	44.9	54.4	54.5	60.5	66.2	68.8	74.7	76.4	77.5	80.1	86.5	92.3	97.7
≥ 0	26.4	35.5	40.8	44.9	54.4	54.5	60.5	66.2	68.8	74.7	76.4	77.5	80.3	87.4	93.4	100.0

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616J

HAHN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	4.8	7.4	8.8	10.0	10.8	10.9	11.8	12.0	12.2	12.5	12.6	13.0	13.0	13.0	13.2	13.2
≥ 20000	8.4	11.5	12.8	14.4	15.5	15.6	16.4	16.9	17.2	17.5	17.8	18.1	18.1	18.2	18.6	18.6
IV 18000	8.5	11.6	13.0	14.5	15.6	15.7	16.7	17.2	17.5	17.9	18.1	18.5	18.5	18.6	19.0	19.0
IV 16000	8.5	11.6	13.0	14.5	15.6	15.7	16.7	17.2	17.5	17.9	18.1	18.5	18.5	18.6	19.0	19.0
IV 14000	8.8	11.9	13.2	14.8	15.8	16.0	16.9	17.4	17.8	18.1	18.4	18.7	18.7	18.8	19.2	19.2
IV 12000	9.0	12.1	13.4	15.0	16.1	16.2	17.2	17.6	18.0	18.4	18.6	19.0	19.0	19.1	19.4	19.4
IV 10000	9.2	12.4	13.7	15.2	16.3	16.4	17.4	17.9	18.2	18.6	18.8	19.2	19.2	19.3	19.7	19.7
IV 9000	9.7	12.8	14.2	15.7	16.8	16.9	17.9	18.4	18.7	19.1	19.3	19.7	19.7	19.8	20.2	20.2
IV 8000	10.3	13.6	15.0	16.6	18.1	18.4	19.3	19.8	20.2	20.6	20.9	21.2	21.2	21.4	21.7	21.7
IV 7000	10.3	13.6	15.0	16.6	18.4	18.6	19.8	20.3	20.6	21.1	21.4	21.7	21.7	21.8	22.2	22.2
IV 6000	10.3	13.6	15.0	16.6	18.4	18.6	19.8	20.3	20.6	21.1	21.4	21.7	21.7	21.8	22.2	22.2
IV 5000	11.0	14.3	15.8	17.4	19.2	19.4	20.6	21.1	21.5	22.0	22.2	22.6	22.6	22.7	23.0	23.0
IV 4500	11.3	14.5	16.1	17.6	19.4	19.7	20.9	21.4	21.7	22.2	22.4	22.8	22.8	22.9	23.3	23.3
IV 4000	12.2	15.5	17.3	19.0	20.9	21.1	22.7	23.2	23.5	24.0	24.2	24.6	24.6	24.7	25.1	25.1
IV 3500	12.6	16.1	18.0	19.7	22.1	22.3	23.9	24.5	24.8	25.3	25.6	25.9	25.9	26.1	26.4	26.4
IV 3000	13.8	17.5	19.9	21.7	24.4	24.6	26.2	27.0	27.4	27.9	28.1	28.5	28.5	28.6	28.9	28.9
IV 2500	15.5	19.7	22.3	24.1	26.8	27.0	28.9	29.8	30.1	30.6	30.9	31.2	31.2	31.3	31.7	31.7
IV 2000	18.2	23.2	26.1	28.1	31.2	31.6	33.6	34.5	34.8	35.3	35.5	35.9	35.9	36.0	36.5	36.6
IV 1800	18.8	24.2	27.3	29.3	32.5	32.9	34.9	35.8	36.1	36.6	36.9	37.2	37.2	37.3	37.8	37.9
IV 1500	22.2	28.1	31.7	34.3	38.1	38.4	40.5	41.3	41.7	42.4	42.6	43.0	43.0	43.1	43.6	43.7
IV 1200	26.7	33.4	38.1	41.4	45.6	46.0	48.7	49.8	50.2	50.9	51.3	51.6	51.6	51.7	52.2	52.3
IV 1000	27.3	34.8	39.5	43.2	47.9	48.3	51.4	52.9	53.4	54.4	54.7	55.1	55.1	55.2	55.7	55.8
IV 900	28.1	35.9	40.8	44.8	49.6	49.9	53.1	54.6	55.1	56.1	56.4	56.8	56.8	56.9	57.4	57.5
IV 800	29.3	37.9	43.1	47.3	52.8	53.2	56.7	58.6	59.1	60.0	60.5	61.0	61.0	61.1	61.7	61.8
IV 700	29.8	38.8	43.9	48.1	53.9	54.3	57.9	60.0	60.6	61.9	62.4	62.9	62.9	63.1	63.7	63.9
IV 600	30.4	39.5	44.7	49.0	55.7	56.1	60.3	62.7	63.3	64.7	65.2	65.7	65.7	65.9	66.5	66.6
IV 500	31.2	40.9	46.3	50.8	58.3	58.9	64.3	67.3	67.9	69.7	70.3	70.8	71.1	71.3	71.9	72.0
IV 400	31.7	41.9	47.5	52.1	60.4	61.0	67.0	70.3	71.1	73.5	74.2	74.7	75.0	75.3	75.9	76.0
IV 300	31.9	42.3	47.9	52.7	61.8	62.7	69.1	73.9	75.3	78.3	79.1	79.7	80.1	81.0	81.6	81.9
IV 200	31.9	42.3	47.9	52.7	62.1	63.0	69.9	75.6	77.4	82.1	83.1	83.9	85.1	87.0	89.0	89.8
IV 100	31.9	42.3	47.9	52.7	62.1	63.0	70.1	76.0	77.9	83.0	84.4	85.2	86.8	90.4	94.4	99.2
IV 0	31.9	42.3	47.9	52.7	62.1	63.0	70.1	76.0	77.9	83.0	84.4	85.2	86.8	90.5	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	8.2	11.1	12.8	13.2	13.7	13.8	14.8	15.0	15.1	15.2	15.2	15.2	15.2	15.2	15.4	15.4
≥ 20000	11.6	15.4	17.0	17.9	18.5	18.6	19.6	20.0	20.1	20.2	20.4	20.4	20.4	20.4	20.8	20.8
≥ 18000	12.7	15.7	17.4	18.3	18.9	19.0	20.0	20.3	20.4	20.6	20.8	20.8	20.8	20.8	21.2	21.2
≥ 16000	12.7	15.7	17.4	18.4	19.0	19.1	20.1	20.4	20.6	20.7	20.9	20.9	20.9	20.9	21.3	21.3
≥ 14000	12.1	15.8	17.5	18.5	19.1	19.2	20.2	20.6	20.7	20.8	21.0	21.0	21.0	21.2	21.5	21.5
≥ 12000	12.1	16.1	17.8	18.7	19.3	19.5	20.4	20.8	20.9	21.0	21.3	21.3	21.3	21.4	21.8	21.8
≥ 10000	12.6	16.7	18.6	19.6	20.2	20.3	21.6	22.0	22.1	22.2	22.5	22.5	22.5	22.6	23.0	23.0
≥ 9000	12.9	17.0	19.0	20.0	20.6	20.7	22.0	22.4	22.5	22.6	22.9	22.9	22.9	23.0	23.3	23.3
≥ 8000	13.6	17.9	19.8	20.8	21.8	21.9	23.2	23.6	23.7	23.8	24.1	24.1	24.1	24.2	24.5	24.5
≥ 7000	14.1	18.7	20.9	21.9	22.9	23.0	24.3	24.7	24.8	24.9	25.2	25.2	25.2	25.3	25.6	25.6
≥ 6000	14.1	18.7	20.9	21.9	22.9	23.0	24.3	24.7	24.8	24.9	25.2	25.2	25.2	25.3	25.6	25.6
≥ 5000	14.9	19.5	21.6	22.6	23.6	23.7	25.0	25.4	25.5	25.6	25.9	25.9	25.9	26.0	26.4	26.4
≥ 4500	15.0	19.6	21.8	22.7	23.7	23.8	25.2	25.5	25.6	25.8	26.0	26.0	26.0	26.1	26.5	26.5
≥ 4000	16.6	21.4	23.6	24.8	25.9	26.0	27.3	27.7	27.9	28.1	28.3	28.3	28.3	28.4	28.8	28.8
≥ 3500	17.5	22.4	24.5	25.8	26.8	27.0	28.3	28.7	28.9	29.0	29.3	29.3	29.3	29.4	29.7	29.7
≥ 3000	20.0	25.5	27.9	29.3	30.6	30.7	32.0	32.6	32.9	33.0	33.3	33.3	33.3	33.4	33.7	33.7
≥ 2500	22.5	28.5	31.0	32.4	33.9	34.0	35.6	36.2	36.4	36.5	36.8	36.8	36.8	36.9	37.2	37.2
≥ 2000	24.5	31.1	33.9	35.7	37.5	37.7	39.5	40.1	40.4	40.5	40.7	40.7	40.7	40.9	41.2	41.2
≥ 1800	25.3	32.2	35.1	36.9	39.2	39.5	41.4	42.0	42.2	42.3	42.6	42.6	42.6	42.7	43.0	43.0
≥ 1500	27.9	35.2	38.8	41.2	44.6	45.1	47.2	47.8	48.1	48.2	48.5	48.6	48.7	48.9	49.2	49.2
≥ 1200	31.1	38.5	42.7	46.2	49.9	50.5	53.6	54.3	54.8	54.9	55.1	55.3	55.4	55.5	55.9	55.9
≥ 1000	31.3	40.7	45.2	49.0	53.0	53.6	57.2	58.2	58.6	58.9	59.1	59.3	59.4	59.6	60.0	60.0
≥ 900	32.0	41.5	45.9	49.8	54.1	54.7	58.6	59.6	60.1	60.3	60.6	60.7	60.8	61.1	61.4	61.4
≥ 800	33.3	43.5	48.2	52.2	56.7	57.4	61.9	63.4	63.8	64.1	64.3	64.4	64.6	64.8	65.2	65.2
≥ 700	34.0	44.6	49.3	53.6	58.5	59.3	64.0	65.8	66.3	66.7	67.0	67.1	67.2	67.6	68.0	68.0
≥ 600	34.2	45.3	50.4	54.9	60.8	61.5	66.9	68.8	69.3	70.0	70.3	70.4	70.5	70.9	71.2	71.3
≥ 500	34.7	46.3	51.5	56.3	63.4	64.1	70.4	72.9	73.4	74.7	75.0	75.1	75.2	75.7	76.1	76.2
≥ 400	35.1	46.8	52.0	57.0	64.8	65.7	72.3	75.5	75.9	77.3	77.5	77.6	77.9	78.4	78.8	79.0
≥ 300	35.1	46.9	52.4	57.6	65.9	66.9	75.0	78.6	79.9	82.1	82.3	82.5	83.1	83.7	84.2	84.3
≥ 200	35.1	46.9	52.4	57.6	66.1	67.1	75.7	80.0	81.4	84.8	85.6	86.1	87.2	88.4	90.1	90.4
≥ 100	35.1	46.9	52.4	57.6	66.1	67.1	75.7	80.0	81.6	85.4	86.2	86.9	88.5	91.1	94.6	99.0
≥ 0	35.1	46.9	52.4	57.6	66.1	67.1	75.7	80.0	81.6	85.4	86.2	86.9	88.5	91.2	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING	9.1	11.9	12.8	13.8	15.1	15.1	17.3	17.7	17.7	18.2	18.2	18.2	18.6	18.6	18.7	18.8
≥ 20000	11.4	14.9	15.9	17.0	18.3	18.3	20.5	21.1	21.3	21.9	21.9	21.9	22.3	22.3	22.4	22.5
IV 18000	11.5	15.0	16.1	17.1	18.5	18.5	20.6	21.2	21.5	22.1	22.1	22.1	22.4	22.4	22.5	22.7
IV 16000	11.5	15.0	16.1	17.1	18.5	18.5	20.6	21.2	21.5	22.1	22.1	22.1	22.4	22.4	22.5	22.7
IV 14000	11.5	15.0	16.1	17.1	18.5	18.5	20.6	21.2	21.6	22.2	22.2	22.2	22.5	22.5	22.7	22.8
IV 12000	11.5	15.0	16.3	17.4	18.9	18.9	21.1	21.7	22.1	22.7	22.7	22.7	23.0	23.0	23.1	23.3
IV 10000	11.8	15.3	16.8	17.9	19.4	19.4	21.6	22.2	22.5	23.1	23.1	23.1	23.5	23.5	23.6	23.7
IV 9000	12.6	16.2	17.6	18.7	20.3	20.3	22.4	23.0	23.4	24.0	24.0	24.0	24.3	24.3	24.5	24.6
IV 8000	13.1	16.9	18.6	19.7	21.3	21.3	23.9	24.5	24.8	25.4	25.4	25.4	25.8	25.8	25.9	26.3
IV 7000	13.2	17.0	18.7	19.8	21.5	21.5	24.0	24.6	24.9	25.5	25.5	25.5	25.9	25.9	26.0	26.4
IV 6000	13.2	17.0	18.7	19.8	21.5	21.5	24.0	24.6	24.9	25.5	25.5	25.5	25.9	25.9	26.0	26.4
IV 5000	13.5	17.5	19.2	20.3	21.9	21.9	24.5	25.1	25.4	26.0	26.0	26.0	26.4	26.4	26.5	26.9
IV 4500	13.8	18.0	19.7	20.7	22.4	22.4	24.9	25.5	25.9	26.5	26.5	26.5	26.9	26.9	27.0	27.3
IV 4000	15.7	20.3	21.9	23.0	25.1	25.1	27.8	28.4	28.8	29.4	29.4	29.4	29.7	29.7	29.9	30.2
IV 3500	17.6	22.8	24.5	25.5	27.6	27.6	30.3	30.9	31.3	31.9	32.0	32.0	32.4	32.4	32.5	32.9
IV 3000	20.0	25.3	27.2	28.7	30.9	30.9	33.7	34.3	34.7	35.3	35.4	35.4	35.7	35.7	35.9	36.2
IV 2500	21.7	27.1	29.0	30.6	33.5	33.5	36.5	37.1	37.4	38.0	38.1	38.1	38.5	38.5	38.6	39.0
IV 2000	23.4	29.7	32.0	34.1	37.1	37.1	40.0	40.6	41.0	41.7	41.8	41.8	42.2	42.2	42.3	42.7
IV 1800	23.9	30.3	32.7	34.9	38.2	38.4	41.5	42.1	42.4	43.2	43.3	43.3	43.6	43.6	43.8	44.1
IV 1500	26.9	33.8	36.6	39.3	44.1	44.2	47.5	48.2	48.6	49.3	49.4	49.4	49.8	49.8	49.9	50.2
IV 1200	29.4	37.5	40.4	43.6	48.8	48.9	52.6	53.4	53.7	54.6	54.7	54.7	55.0	55.0	55.2	55.5
IV 1000	31.2	39.8	42.9	46.5	52.0	52.2	56.0	57.0	57.3	58.4	58.5	58.6	59.1	59.1	59.2	59.6
IV 900	31.3	40.6	43.8	47.5	54.1	54.2	58.2	59.1	59.5	60.6	60.7	60.8	61.3	61.3	61.4	61.8
IV 800	32.4	42.1	45.3	49.8	57.1	57.2	61.5	62.6	63.2	64.5	64.6	64.9	65.3	65.3	65.5	65.8
IV 700	33.3	44.2	47.5	52.0	59.7	60.0	64.3	65.5	66.2	67.6	67.7	68.0	68.5	68.6	68.7	69.1
IV 600	33.9	45.3	48.8	53.6	61.4	61.8	66.5	67.7	68.5	70.4	70.5	70.7	71.2	71.3	71.5	71.8
IV 500	34.2	46.6	50.1	55.0	64.1	64.5	70.1	71.6	72.7	75.2	75.3	75.5	76.0	76.1	76.3	76.6
IV 400	34.2	46.9	50.4	55.4	65.2	65.7	72.3	73.9	74.9	77.6	77.7	78.2	78.9	79.0	79.1	79.5
IV 300	34.2	47.1	50.6	56.1	66.8	67.4	74.5	76.7	77.8	81.1	81.2	81.9	83.0	83.6	83.7	84.1
IV 200	34.2	47.1	50.6	56.1	67.3	67.9	75.5	78.5	79.9	84.8	85.1	86.0	87.5	89.8	90.5	90.9
IV 100	34.2	47.1	50.6	56.1	67.3	68.0	75.7	79.4	80.8	86.7	87.1	88.2	90.0	93.6	95.3	99.5
IV 0	34.2	47.1	50.6	56.1	67.3	68.0	75.7	79.4	80.8	86.7	87.1	88.2	90.0	93.8	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616C
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
TIME PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING	10.1	13.6	14.0	14.7	16.4	16.6	17.9	18.1	18.2	18.9	19.4	19.5	19.7	19.8	20.1
≥ 20000	10.9	14.7	15.2	15.9	18.0	18.2	19.5	20.0	20.3	21.0	21.5	21.6	21.7	21.8	22.2
≥ 18000	10.9	14.7	15.2	15.9	18.0	18.2	19.5	20.0	20.3	21.0	21.5	21.6	21.7	21.8	22.2
≥ 16000	10.9	14.7	15.2	15.9	18.0	18.2	19.5	20.0	20.3	21.0	21.5	21.6	21.7	21.8	22.2
≥ 14000	10.9	14.7	15.2	15.9	18.0	18.2	19.5	20.0	20.3	21.0	21.5	21.6	21.7	21.8	22.2
≥ 12000	11.0	14.8	15.3	16.0	18.2	18.5	19.8	20.3	20.5	21.2	21.7	21.8	22.0	22.1	22.4
≥ 10000	11.6	15.4	15.9	16.6	18.8	19.1	20.4	20.9	21.1	21.8	22.3	22.4	22.6	22.7	23.0
≥ 9000	12.1	15.9	16.4	17.1	19.3	19.5	21.0	21.5	21.7	22.4	22.9	23.0	23.2	23.3	23.6
≥ 8000	12.4	16.5	17.2	18.0	20.5	20.7	22.2	22.8	23.0	23.8	24.2	24.4	24.5	24.6	25.0
≥ 7000	12.5	16.6	17.4	18.1	20.6	20.9	22.3	22.9	23.2	23.9	24.4	24.5	24.6	24.7	25.1
≥ 6000	12.5	16.6	17.4	18.1	20.6	20.9	22.3	22.9	23.2	23.9	24.4	24.5	24.6	24.7	25.1
≥ 5000	12.8	16.9	17.6	18.3	21.1	21.4	22.8	23.4	23.6	24.4	24.9	25.0	25.1	25.2	25.6
≥ 4500	13.0	17.4	18.1	18.9	21.7	22.0	23.4	24.0	24.2	25.0	25.5	25.6	25.7	25.8	26.2
≥ 4000	14.1	18.7	19.4	20.3	23.2	23.4	24.8	25.5	25.8	26.7	27.1	27.3	27.4	27.5	27.9
≥ 3500	15.1	20.1	20.9	21.7	24.8	25.1	26.7	27.4	27.7	28.6	29.1	29.2	29.4	29.8	30.2
≥ 3000	16.4	21.5	22.2	23.0	26.2	26.4	28.0	28.7	29.1	30.2	30.6	30.8	31.0	31.4	31.7
≥ 2500	19.5	24.7	25.5	26.7	30.2	30.4	32.2	33.1	33.4	34.5	35.0	35.1	35.3	35.7	36.1
≥ 2000	22.0	27.7	28.6	30.2	34.3	34.5	36.4	37.3	37.6	38.7	39.4	39.6	39.8	40.2	40.5
≥ 1800	23.2	29.1	30.0	31.7	36.3	36.6	38.7	39.6	39.9	41.0	41.7	41.9	42.1	42.5	42.8
≥ 1500	26.4	33.7	34.6	36.9	42.9	43.2	45.5	46.4	46.8	47.9	48.6	48.7	49.0	49.3	49.7
≥ 1200	29.4	37.0	38.1	41.3	48.1	48.4	50.9	51.9	52.2	53.3	54.0	54.2	54.4	54.8	55.1
≥ 1000	31.6	39.9	41.0	44.9	52.1	52.4	54.9	55.9	56.2	57.3	58.0	58.1	58.4	58.7	59.1
≥ 900	32.6	40.9	42.0	45.8	53.9	54.2	56.7	57.7	58.0	59.2	60.2	60.4	60.7	61.0	61.4
≥ 800	34.0	42.7	43.9	48.5	56.8	57.1	60.3	61.3	61.6	63.0	63.9	64.2	64.4	64.8	65.1
≥ 700	34.4	43.5	44.9	49.8	59.2	59.5	62.8	63.9	64.3	65.6	66.6	66.8	67.1	67.4	67.8
≥ 600	35.2	44.4	45.8	51.1	61.6	62.0	65.7	67.1	67.4	68.9	69.8	70.1	70.3	70.7	71.0
≥ 500	35.6	45.1	46.7	52.7	64.3	64.9	69.0	70.9	71.7	73.1	74.1	74.3	74.5	75.3	75.6
≥ 400	35.7	45.2	46.8	52.8	65.6	66.2	71.4	73.5	74.2	75.9	77.0	77.2	77.4	78.2	78.5
≥ 300	35.8	45.4	46.9	53.0	66.8	67.4	73.1	75.4	76.7	79.3	80.3	80.6	81.9	83.1	83.5
≥ 200	35.9	45.5	47.2	53.4	68.3	68.9	74.8	77.3	79.1	83.1	84.7	85.6	87.5	89.7	90.5
≥ 100	35.9	45.5	47.2	53.4	68.3	68.9	74.9	77.7	79.5	83.6	85.3	86.6	88.8	93.7	95.8
≥ 0	35.9	45.5	47.2	53.4	68.3	68.9	74.9	77.7	79.5	83.6	85.3	86.6	88.8	94.0	96.3

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	6.5	9.0	9.8	10.6	11.9	11.9	13.0	13.3	13.6	14.1	14.3	14.4	14.6	14.8	15.1	15.2
≥ 20000	8.2	11.1	12.0	13.0	14.4	14.5	15.6	16.1	16.4	17.0	17.2	17.3	17.5	17.8	18.2	18.3
IV 18000	8.3	11.2	12.1	13.1	14.6	14.7	15.8	16.2	16.6	17.1	17.4	17.5	17.7	18.0	18.4	18.5
IV 16000	8.3	11.2	12.2	13.2	14.7	14.7	15.8	16.3	16.6	17.2	17.5	17.6	17.8	18.1	18.5	18.6
IV 14000	8.4	11.3	12.2	13.3	14.7	14.8	15.9	16.4	16.8	17.3	17.6	17.7	17.9	18.2	18.6	18.7
IV 12000	8.5	11.4	12.4	13.5	15.0	15.0	16.1	16.6	17.0	17.6	17.8	17.9	18.1	18.4	18.8	19.0
IV 10000	8.8	11.8	12.8	13.9	15.4	15.5	16.7	17.1	17.5	18.1	18.4	18.4	18.6	19.0	19.3	19.5
IV 9000	9.1	12.1	13.1	14.2	15.8	15.9	17.0	17.5	17.9	18.4	18.7	18.8	19.0	19.4	19.8	19.9
IV 8000	9.6	12.8	14.0	15.1	16.9	17.0	18.2	18.7	19.1	19.7	20.0	20.1	20.3	20.7	21.1	21.3
IV 7000	9.9	13.2	14.3	15.4	17.4	17.5	18.7	19.2	19.6	20.2	20.5	20.6	20.9	21.2	21.6	21.8
IV 6000	9.9	13.2	14.4	15.4	17.4	17.5	18.8	19.3	19.7	20.3	20.6	20.6	20.9	21.3	21.7	21.9
IV 5000	10.4	13.8	15.0	16.1	18.1	18.2	19.5	20.0	20.4	21.0	21.2	21.4	21.6	22.0	22.4	22.6
IV 4500	10.7	14.1	15.3	16.4	18.5	18.6	19.9	20.4	20.8	21.4	21.6	21.7	22.0	22.4	22.8	23.0
IV 4000	12.0	15.7	17.0	18.2	20.4	20.5	21.9	22.5	22.9	23.5	23.8	23.9	24.2	24.5	25.0	25.2
IV 3500	12.9	16.8	18.1	19.4	21.9	22.0	23.5	24.2	24.6	25.3	25.6	25.7	26.0	26.4	26.9	27.1
IV 3000	14.4	18.6	20.1	21.6	24.3	24.5	26.0	26.8	27.2	28.0	28.3	28.4	28.7	29.1	29.5	29.7
IV 2500	16.3	20.9	22.7	24.3	27.4	27.5	29.2	30.0	30.4	31.2	31.5	31.6	31.9	32.3	32.8	33.0
IV 2000	18.7	23.9	25.9	27.8	31.1	31.3	33.1	34.0	34.4	35.2	35.5	35.6	36.0	36.4	36.9	37.1
IV 1800	19.6	25.1	27.2	29.1	32.7	32.9	34.8	35.6	36.1	36.9	37.2	37.3	37.7	38.1	38.6	38.8
IV 1500	22.5	28.8	31.3	33.8	38.2	38.4	40.4	41.3	41.8	42.7	43.0	43.2	43.5	44.0	44.5	44.7
IV 1200	25.2	32.4	35.2	38.3	43.3	43.5	45.9	47.0	47.5	48.4	48.7	48.9	49.3	49.7	50.2	50.4
IV 1000	26.7	34.7	37.7	41.3	46.7	46.9	49.6	50.7	51.3	52.3	52.7	52.9	53.3	53.7	54.2	54.5
IV 900	27.3	35.5	38.5	42.3	48.3	48.6	51.3	52.5	53.1	54.2	54.5	54.8	55.1	55.6	56.1	56.4
IV 800	28.4	37.1	40.5	44.7	51.3	51.6	54.7	56.1	56.7	57.9	58.3	58.6	59.0	59.4	60.0	60.2
IV 700	29.3	38.2	41.7	46.2	53.5	53.8	57.1	58.7	59.3	60.7	61.1	61.4	61.8	62.3	62.9	63.1
IV 600	29.7	39.2	42.9	47.7	55.9	56.3	60.1	61.9	62.5	64.1	64.5	64.8	65.2	65.8	66.3	66.6
IV 500	30.1	40.2	44.1	49.4	58.8	59.3	63.8	66.0	66.7	68.7	69.2	69.5	70.0	70.6	71.1	71.4
IV 400	30.4	40.8	44.8	50.2	60.7	61.2	66.5	69.1	69.9	72.2	72.8	73.2	73.9	74.5	75.0	75.4
IV 300	30.6	41.0	45.1	50.7	62.3	62.9	69.2	72.7	73.8	76.9	77.5	78.0	79.1	80.0	80.6	80.9
IV 200	30.6	41.1	45.3	50.9	63.0	63.6	70.4	74.6	76.2	80.5	81.5	82.3	84.0	86.2	87.7	88.4
IV 100	30.6	41.1	45.3	51.0	63.2	63.8	70.8	75.3	77.2	82.0	83.2	84.3	86.3	90.4	94.3	98.6
IV 0	30.6	41.1	45.3	51.0	63.2	63.8	70.8	75.3	77.2	82.0	83.2	84.3	86.3	90.7	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10165

HAHN AB DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	13.8	19.1	27.3	20.9	26.1	26.8	27.4	29.4	29.9	31.0	31.4	31.4	31.7	31.9	32.1	32.2
≥20000	15.2	20.8	22.8	23.4	29.0	29.7	30.3	32.5	33.0	34.0	34.4	34.4	34.7	35.0	35.1	35.2
≥18000	15.4	21.1	23.7	23.7	29.3	29.9	30.6	32.7	33.2	34.3	34.7	34.7	35.0	35.2	35.4	35.5
≥16000	15.4	21.3	23.3	24.0	29.5	30.2	30.9	33.0	33.5	34.6	35.0	35.0	35.2	35.5	35.6	35.8
≥14000	15.4	21.3	23.3	24.0	29.5	30.2	30.9	33.0	33.5	34.6	35.0	35.0	35.2	35.5	35.6	35.8
≥12000	15.5	21.5	23.4	24.1	29.8	30.5	31.1	33.2	33.8	34.8	35.2	35.2	35.6	35.9	36.0	36.2
≥10000	16.6	22.6	24.6	25.3	31.0	31.7	32.3	34.4	35.0	36.0	36.4	36.4	36.8	37.1	37.2	37.4
≥9000	16.6	22.6	24.6	25.3	31.1	31.8	32.5	34.6	35.1	36.2	36.6	36.6	37.0	37.2	37.4	37.5
≥8000	16.8	23.0	25.0	25.7	31.7	32.3	33.1	35.2	35.8	36.8	37.2	37.2	37.6	37.9	38.0	38.1
≥7000	16.8	23.3	25.3	26.0	31.9	32.6	33.4	35.8	36.3	37.4	37.7	37.7	38.1	38.5	38.9	39.1
≥6000	17.1	23.6	25.6	26.2	32.2	32.8	33.6	36.0	36.6	37.6	38.0	38.0	38.4	38.8	39.2	39.3
≥5000	17.2	24.0	26.0	26.6	32.6	33.2	34.0	36.6	37.2	38.4	38.8	38.8	39.2	39.6	40.0	40.1
≥4500	17.2	24.0	26.0	26.6	32.6	33.2	34.0	36.6	37.2	38.4	38.8	38.8	39.2	39.6	40.0	40.1
≥4000	18.5	25.6	27.5	28.2	34.7	35.5	36.8	39.6	40.3	41.5	42.0	42.0	42.4	42.8	43.2	43.3
≥3500	20.4	27.9	29.9	30.6	37.2	38.0	39.3	42.1	42.8	44.0	44.5	44.5	44.9	45.4	46.0	46.1
≥3000	21.6	29.4	31.4	32.2	39.3	40.1	42.1	44.9	45.7	46.9	47.4	47.4	47.8	48.5	49.1	49.3
≥2500	22.9	31.8	33.8	34.6	42.1	43.0	45.0	47.8	48.6	49.8	50.3	50.3	50.7	51.4	52.1	52.2
≥2000	25.4	35.1	37.2	38.0	46.4	47.5	49.5	52.3	53.2	54.7	55.2	55.2	55.6	56.3	57.0	57.1
≥1800	25.7	35.4	37.5	38.3	46.6	47.8	49.8	52.6	53.5	55.0	55.5	55.5	55.9	56.6	57.2	57.4
≥1600	27.3	37.5	39.6	40.5	49.4	50.9	53.2	56.0	57.0	58.4	58.9	58.9	59.3	60.0	60.7	60.8
≥1400	28.5	39.5	41.9	43.3	53.6	55.1	57.7	60.9	61.9	63.3	63.8	63.8	64.2	64.9	65.6	65.7
≥1200	28.9	40.1	42.6	44.5	55.0	56.6	60.3	63.6	64.6	66.2	66.8	66.8	67.2	67.8	68.5	68.6
≥1000	29.1	40.4	43.0	44.9	55.5	57.2	61.5	64.8	65.8	67.4	67.9	67.9	68.3	69.0	69.7	69.8
≥900	30.3	42.1	44.8	46.8	58.1	59.9	64.5	68.1	69.1	70.7	71.3	71.3	71.7	72.3	73.0	73.1
≥800	30.6	42.4	45.0	47.2	58.5	60.3	65.4	69.1	70.2	71.8	72.3	72.3	72.7	73.4	74.0	74.2
≥700	31.0	42.9	45.6	47.7	59.6	61.5	67.3	71.0	72.1	73.8	74.3	74.3	74.7	75.4	76.0	76.2
≥600	31.0	43.2	46.0	48.6	61.3	63.2	69.3	73.4	74.8	77.1	77.6	77.6	78.1	79.2	79.9	80.0
≥500	31.0	43.3	46.1	48.7	61.6	63.4	70.3	74.4	75.9	78.3	78.8	78.8	79.3	80.4	81.1	81.2
≥400	31.1	43.4	46.2	49.0	62.1	64.0	71.8	76.4	78.3	81.5	82.1	82.3	83.6	85.3	86.0	86.1
≥300	31.1	43.4	46.2	49.0	62.1	64.1	72.2	77.2	79.2	83.3	84.8	85.0	86.6	90.2	91.1	91.3
≥200	31.1	43.4	46.2	49.0	62.1	64.1	72.2	77.2	79.3	84.1	85.8	86.2	88.2	93.4	96.7	98.7
≥100	31.1	43.4	46.2	49.0	62.1	64.1	72.2	77.2	79.3	84.1	85.6	86.2	88.2	93.4	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 755

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-6167

HAHN AB DL

73-81

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-1500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	9.4	15.3	17.1	18.2	21.2	21.8	22.7	24.3	24.9	26.0	26.4	26.4	26.9	27.3	27.3	27.7
≥ 20000	10.2	16.3	18.4	19.6	22.8	23.3	24.4	26.0	26.7	27.7	28.1	28.1	28.6	29.0	29.0	29.4
≥ 18000	10.2	16.4	18.7	19.9	23.2	23.7	24.8	26.4	27.1	28.1	28.5	28.5	29.0	29.4	29.4	29.8
≥ 16000	10.2	16.4	18.8	20.0	23.3	23.9	24.9	26.5	27.2	28.2	28.6	28.6	29.2	29.6	29.6	30.0
≥ 14000	10.2	16.4	18.8	20.0	23.3	23.9	24.9	26.5	27.2	28.2	28.6	28.6	29.2	29.6	29.6	30.1
≥ 12000	10.2	16.7	19.1	20.3	23.6	24.1	25.3	26.9	27.6	28.6	29.0	29.0	29.6	30.0	30.0	30.5
≥ 10000	10.3	16.8	19.5	20.7	24.0	24.5	25.7	27.3	28.0	29.0	29.4	29.4	30.0	30.4	30.4	30.9
≥ 9000	10.7	17.2	19.9	21.1	24.4	24.9	26.1	27.7	28.4	29.4	29.8	29.8	30.4	30.8	30.8	31.3
≥ 8000	11.4	17.9	20.7	21.9	25.3	26.0	27.2	28.8	29.4	30.5	30.9	30.9	31.4	31.8	31.8	32.4
≥ 7000	11.5	18.2	21.0	22.1	25.6	26.3	27.5	29.0	29.7	30.8	31.2	31.2	31.7	32.1	32.1	32.6
≥ 6000	11.5	18.2	21.0	22.3	25.7	26.4	27.6	29.2	29.8	30.9	31.3	31.3	31.8	32.2	32.2	32.8
≥ 5000	11.5	18.2	21.0	22.4	25.9	26.5	27.9	29.4	30.1	31.2	31.6	31.6	32.1	32.5	32.5	33.0
≥ 4500	11.8	18.4	21.2	22.7	26.1	26.8	28.1	29.7	30.4	31.4	31.8	31.8	32.4	32.8	32.8	33.3
≥ 4000	13.7	21.2	24.0	25.9	29.4	30.1	31.4	33.6	34.2	35.3	35.7	35.7	36.2	36.7	36.7	37.3
≥ 3500	14.6	22.1	25.3	27.2	31.4	32.1	33.6	35.9	36.7	37.8	38.2	38.2	38.7	39.3	39.3	39.8
≥ 3000	15.8	23.9	27.1	28.9	33.3	34.0	36.3	38.7	39.5	40.6	41.0	41.0	41.6	42.4	42.4	43.4
≥ 2500	16.7	24.9	28.1	30.1	34.6	35.3	38.1	40.5	41.2	42.3	42.7	42.7	43.4	44.2	44.6	45.1
≥ 2000	19.1	27.6	30.9	32.9	37.8	38.7	41.9	44.4	45.2	46.4	46.8	46.8	47.5	48.3	48.7	49.2
≥ 1800	20.0	28.6	32.0	34.0	38.9	39.8	43.0	45.5	46.3	47.5	47.9	47.9	48.5	49.3	49.7	50.3
≥ 1500	22.4	31.8	35.3	37.4	43.0	43.9	47.3	49.9	50.7	52.0	52.4	52.4	53.1	53.8	54.2	54.8
≥ 1200	23.7	33.8	37.5	40.2	47.6	48.5	52.5	55.2	56.1	57.4	57.8	57.8	58.5	59.3	59.7	60.2
≥ 1000	24.8	35.3	39.1	42.3	50.7	51.6	56.4	59.2	60.1	61.8	62.3	62.5	63.1	63.9	64.3	64.9
≥ 900	24.9	35.8	39.7	42.8	51.7	52.8	57.6	60.3	61.3	63.0	63.5	63.7	64.3	65.1	65.5	66.0
≥ 800	25.6	36.9	41.0	44.4	53.6	54.6	59.5	62.3	63.3	65.0	65.5	65.6	66.3	67.1	67.5	68.0
≥ 700	25.9	37.5	41.6	45.2	54.9	56.0	61.5	64.3	65.4	67.4	67.9	68.0	68.7	69.5	69.9	70.4
≥ 600	26.3	38.5	42.6	46.4	57.2	58.4	64.3	67.6	68.7	71.0	71.5	71.6	72.3	73.1	73.5	74.0
≥ 500	26.3	38.7	42.8	46.8	58.0	59.5	66.3	69.8	71.0	73.7	74.3	74.4	75.2	76.1	76.5	77.1
≥ 400	26.3	39.0	43.1	47.3	58.5	60.1	67.8	71.6	72.9	76.1	77.1	77.2	78.1	79.2	79.6	80.1
≥ 300	26.7	39.4	43.5	47.9	59.4	61.0	69.0	73.1	74.8	78.8	79.8	80.4	82.0	83.6	84.0	84.5
≥ 200	26.7	39.4	43.5	47.9	59.7	61.4	69.6	74.3	76.3	81.2	82.6	83.4	85.3	88.9	90.6	91.2
≥ 100	26.7	39.4	43.5	47.9	59.7	61.4	70.0	74.9	77.2	82.4	84.0	84.7	87.1	91.9	96.2	98.4
≥ 0	26.7	39.4	43.5	47.9	59.7	61.4	70.0	74.9	77.2	82.4	84.0	84.7	87.1	91.9	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 754

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160 HAHN AB DL

73-61

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0000

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥0	≥0	≥0	≥0	≥0	≥0	≥0	≥0	≥0
NO CEILING	8.0	12.1	13.7	14.7	18.9	19.3	20.6	20.7	21.4	22.6	22.8	23.0	23.1	23.9	24.2	25.0
≥ 20000	9.0	13.3	14.9	15.9	20.1	20.5	22.0	22.3	23.0	24.2	24.4	24.6	24.7	25.6	25.9	26.7
≥ 18000	9.0	13.3	14.9	15.9	20.1	20.5	22.0	22.3	23.0	24.2	24.4	24.6	24.7	25.6	25.9	26.7
≥ 16000	9.0	13.3	14.9	15.9	20.1	20.5	22.0	22.3	23.0	24.2	24.4	24.6	24.7	25.6	25.9	26.7
≥ 14000	9.0	13.3	14.9	16.1	20.3	20.7	22.3	22.6	23.2	24.4	24.7	24.8	25.0	25.9	26.2	27.0
≥ 12000	9.0	13.3	14.9	16.1	20.5	20.8	22.6	22.8	23.5	24.7	25.0	25.1	25.2	26.2	26.4	27.2
≥ 10000	9.2	13.4	15.0	16.2	20.6	21.0	22.7	23.0	23.6	24.6	25.1	25.2	25.4	26.3	26.6	27.4
≥ 9000	9.3	13.9	15.5	16.7	21.1	21.5	23.2	23.5	24.2	25.4	25.6	25.8	25.9	27.0	27.2	28.2
≥ 8000	10.4	15.1	16.9	18.1	23.0	23.4	25.2	25.5	26.2	27.5	27.8	27.9	28.0	29.1	29.3	30.1
≥ 7000	11.3	16.1	17.8	19.0	23.9	24.3	26.2	26.4	27.1	28.4	28.7	28.8	29.0	30.0	30.3	31.1
≥ 6000	11.3	16.1	17.8	19.0	23.9	24.3	26.2	26.4	27.1	28.4	28.7	28.8	29.0	30.0	30.3	31.1
≥ 5000	11.4	16.2	17.9	19.1	24.2	24.6	26.4	26.7	27.4	28.7	29.1	29.2	29.3	30.4	30.7	31.5
≥ 4500	11.6	16.3	18.1	19.3	24.3	24.7	26.6	26.8	27.5	28.8	29.2	29.3	29.5	30.5	30.8	31.6
≥ 4000	12.6	17.8	19.5	20.7	26.2	26.7	28.6	29.0	29.7	31.5	31.9	32.0	32.1	33.2	33.5	34.3
≥ 3500	13.7	19.0	20.7	21.9	27.9	28.4	30.4	30.8	31.6	33.3	33.7	33.9	34.1	35.2	35.5	36.3
≥ 3000	14.5	20.1	21.9	23.2	29.5	30.0	32.4	33.1	33.9	35.7	36.1	36.4	37.1	38.1	38.5	39.3
≥ 2500	15.7	21.5	23.4	24.8	31.3	32.0	34.9	35.7	36.5	38.5	38.9	39.2	39.8	40.9	41.3	42.1
≥ 2000	16.9	23.1	25.0	26.7	33.7	34.4	37.3	38.2	39.0	41.2	41.6	41.8	42.5	43.6	44.1	44.9
≥ 1800	17.5	23.9	25.8	27.5	34.5	35.2	38.2	39.2	40.0	42.1	42.5	42.8	43.4	44.5	45.0	45.8
≥ 1500	20.2	27.1	29.3	31.3	39.0	39.7	42.8	43.8	44.6	46.7	47.1	47.4	48.1	49.1	49.8	50.6
≥ 1200	22.2	29.5	31.9	33.9	42.0	42.8	46.2	47.4	48.2	50.3	50.7	51.0	51.7	52.7	53.4	54.2
≥ 1000	22.6	30.4	33.1	35.3	44.0	45.0	49.0	50.6	51.4	53.7	54.1	54.3	55.0	56.0	56.7	57.5
≥ 900	23.8	31.7	34.4	36.8	45.7	46.7	50.7	52.3	53.1	55.4	55.8	56.0	56.7	57.8	58.4	59.2
≥ 800	24.3	32.4	35.5	38.0	47.4	48.5	53.0	55.0	55.8	58.2	58.6	58.8	59.5	60.8	61.5	62.3
≥ 700	24.7	32.8	36.0	38.8	48.9	50.1	55.0	57.0	57.9	60.8	61.2	61.5	62.2	63.5	64.1	64.9
≥ 600	25.8	34.4	38.0	40.9	51.7	52.9	58.6	60.8	61.8	64.9	65.6	65.9	66.5	67.9	68.5	69.3
≥ 500	26.1	34.9	38.6	42.5	54.2	55.5	62.2	64.7	65.7	69.6	70.4	70.7	71.6	72.9	73.7	74.5
≥ 400	26.4	35.6	39.3	43.3	55.5	57.1	64.7	67.9	69.2	73.7	74.8	75.2	76.2	77.6	78.4	79.3
≥ 300	26.7	36.0	39.7	43.7	56.2	57.8	65.7	69.3	70.7	76.5	78.1	79.0	80.5	82.9	83.7	84.6
≥ 200	26.8	36.3	40.0	44.0	56.7	58.4	66.5	70.5	72.0	78.6	80.6	81.7	83.5	87.3	89.5	90.6
≥ 100	26.8	36.3	40.0	44.0	56.7	58.4	66.9	70.9	72.8	79.7	81.8	83.3	85.8	90.4	94.4	98.0
≥ 0	26.8	36.3	40.0	44.0	56.7	58.4	66.9	70.9	72.8	79.7	81.8	83.3	85.8	90.6	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 753

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	7.6	13.7	15.4	16.3	18.4	18.7	19.7	20.8	21.2	21.6	21.8	22.5	22.5	22.6	22.9	24.2
≥ 20000	9.6	15.8	17.6	18.6	21.1	21.4	22.5	23.8	24.2	24.9	24.9	25.5	25.5	25.7	26.1	27.8
IV 18000	9.6	15.8	17.6	18.6	21.1	21.4	22.5	23.8	24.2	24.9	24.9	25.5	25.5	25.7	26.1	27.8
IV 16000	9.6	15.8	17.6	18.6	21.1	21.4	22.5	23.8	24.2	24.9	24.9	25.5	25.5	25.7	26.1	27.8
IV 14000	9.6	15.8	17.6	18.6	21.1	21.4	22.5	23.8	24.2	24.9	24.9	25.5	25.5	25.7	26.1	27.8
IV 12000	10.0	16.2	18.2	19.1	21.7	22.1	23.2	24.5	24.9	25.5	25.5	26.2	26.2	26.3	26.7	28.4
IV 10000	10.5	16.7	18.7	19.6	22.2	22.6	23.8	25.1	25.5	26.2	26.2	26.8	26.8	27.0	27.4	29.2
IV 9000	10.5	16.7	18.7	19.6	22.8	23.2	24.3	25.7	26.1	26.7	26.7	27.4	27.4	27.5	27.9	29.7
IV 8000	11.2	17.5	19.5	20.5	24.1	24.5	25.7	27.1	27.5	28.2	28.2	28.8	28.8	28.9	29.3	31.2
IV 7000	11.3	17.6	19.7	20.8	24.7	25.1	26.4	28.0	28.4	29.1	29.1	29.7	29.7	29.9	30.3	32.1
IV 6000	11.3	17.9	20.0	21.1	25.0	25.4	26.7	28.3	28.7	29.3	29.3	30.0	30.0	30.1	30.5	32.4
IV 5000	11.4	18.0	20.1	21.2	25.3	25.7	27.0	28.6	28.9	29.6	29.6	30.3	30.3	30.4	30.8	32.6
IV 4500	11.4	18.2	20.3	21.3	25.4	25.8	27.1	28.7	29.1	29.7	29.7	30.4	30.4	30.5	30.9	32.8
IV 4000	11.8	18.7	20.9	22.0	26.6	27.0	28.4	30.1	30.7	31.7	31.8	32.5	32.5	32.6	33.2	35.0
IV 3500	12.1	19.3	21.6	22.9	27.5	27.9	29.3	31.1	31.6	32.6	32.8	33.4	33.4	33.6	34.1	35.9
IV 3000	12.8	20.1	22.8	23.9	28.8	29.2	30.9	32.6	33.3	34.5	34.6	35.3	35.3	35.4	35.9	37.8
IV 2500	14.1	22.0	24.7	26.1	31.2	31.6	33.7	35.4	36.1	37.2	37.4	38.0	38.0	38.2	38.7	40.5
IV 2000	16.2	24.7	27.6	29.2	34.6	35.0	37.8	39.7	40.4	41.6	41.7	42.4	42.4	42.5	43.0	44.9
IV 1800	17.1	25.9	28.9	30.9	36.4	36.8	39.7	41.7	42.4	43.6	43.7	44.3	44.3	44.5	45.0	46.8
IV 1500	19.5	28.8	32.1	34.2	39.9	40.3	43.3	45.3	46.2	47.4	47.5	48.2	48.2	48.3	48.8	50.8
IV 1200	21.8	32.4	35.9	38.2	44.1	44.5	48.2	50.3	51.2	52.6	52.8	53.4	53.4	53.6	54.1	56.1
IV 1000	22.4	33.9	37.5	39.7	46.3	46.7	51.2	53.6	54.6	56.2	56.4	57.1	57.1	57.2	57.8	59.7
IV 900	22.9	34.5	38.3	40.5	47.6	48.0	52.8	55.3	56.4	58.0	58.3	58.9	58.9	59.1	59.7	61.7
IV 800	23.4	35.4	39.6	42.2	50.0	50.7	55.8	59.2	60.5	62.8	63.0	63.7	63.7	63.8	64.5	66.4
IV 700	23.6	35.5	39.9	42.5	51.2	51.8	57.0	60.4	61.7	64.2	64.5	65.1	65.1	65.3	65.9	67.9
IV 600	24.1	36.3	40.7	43.6	52.8	53.4	58.8	62.2	63.7	66.3	66.6	67.2	67.2	67.4	68.0	70.0
IV 500	24.3	36.7	41.3	45.3	55.1	55.9	62.0	66.1	67.6	71.2	71.4	72.1	72.5	73.3	74.1	76.1
IV 400	24.3	36.8	41.4	45.4	56.1	56.8	63.3	67.4	69.1	72.6	73.4	74.2	74.9	75.7	76.4	78.4
IV 300	24.3	36.8	41.4	45.5	56.7	57.5	64.3	68.9	70.8	75.4	76.6	77.5	78.4	79.7	80.5	82.5
IV 200	24.3	37.0	41.6	45.7	56.8	57.6	64.5	69.3	71.4	77.8	79.2	81.1	82.6	85.1	87.5	89.9
IV 100	24.3	37.0	41.6	45.8	57.0	57.8	64.6	69.5	71.7	78.3	79.9	81.8	84.1	88.8	93.0	98.7
IV 0	24.3	37.0	41.6	45.8	57.0	57.8	64.6	69.5	71.7	78.3	79.9	81.8	84.1	89.3	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS 760

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	11.1	16.6	19.4	20.4	22.8	23.0	23.9	24.4	24.4	24.9	25.1	25.1	25.1	25.3	25.3	25.3
≥ 20000	13.5	19.5	22.3	23.4	26.0	26.1	27.0	27.7	27.7	28.4	28.6	28.6	28.6	28.9	28.9	28.9
≥ 18000	13.9	19.9	22.7	23.7	26.4	26.5	27.4	28.1	28.2	29.2	29.4	29.4	29.4	29.7	29.7	29.7
IV 16000	14.0	20.2	23.0	24.0	26.6	26.8	27.7	28.4	28.5	29.4	29.7	29.7	29.7	29.9	29.9	29.9
≥ 14000	14.1	20.4	23.4	24.4	27.0	27.2	28.1	28.8	28.9	29.8	30.1	30.1	30.1	30.3	30.3	30.3
IV 12000	14.4	21.1	24.0	25.1	27.7	27.8	28.8	29.4	29.6	30.5	30.7	30.7	30.7	31.1	31.1	31.1
≥ 10000	14.5	21.2	24.3	25.3	28.0	28.1	29.0	29.7	29.8	30.7	31.0	31.0	31.0	31.4	31.4	31.4
IV 9000	14.5	21.4	24.4	25.5	28.1	28.2	29.2	29.8	29.9	30.9	31.1	31.1	31.1	31.5	31.5	31.5
≥ 8000	15.8	23.0	26.1	27.2	30.2	30.3	31.9	32.7	32.8	33.8	34.0	34.0	34.0	34.4	34.4	34.4
IV 7000	16.5	23.7	27.0	28.2	31.3	31.4	33.0	33.8	33.9	34.8	35.1	35.1	35.1	35.5	35.5	35.5
≥ 6000	16.5	23.9	27.3	28.5	31.5	31.7	33.2	34.0	34.2	35.1	35.4	35.4	35.4	35.8	35.8	35.8
IV 5000	16.6	24.0	27.4	28.6	31.7	31.8	33.6	34.4	34.6	35.6	35.9	35.9	35.9	36.3	36.3	36.3
≥ 4500	16.6	24.0	27.4	28.6	31.7	31.8	33.6	34.4	34.6	35.6	35.9	35.9	35.9	36.3	36.3	36.3
IV 4000	17.2	24.9	28.6	29.8	33.0	33.1	35.1	35.9	36.0	37.2	37.5	37.5	37.5	38.0	38.0	38.0
≥ 3500	17.3	25.2	28.9	30.1	33.2	33.4	35.4	36.1	36.3	37.5	37.7	37.7	37.7	38.3	38.3	38.3
IV 3000	18.3	27.0	31.1	32.3	35.5	35.6	37.6	38.4	38.5	39.7	40.0	40.0	40.0	40.5	40.5	40.5
≥ 2500	20.7	30.2	34.4	35.6	38.9	39.1	41.3	42.1	42.2	43.4	43.7	43.7	43.8	44.2	44.2	44.2
IV 2000	24.1	35.0	39.4	40.9	44.6	44.9	47.1	48.0	48.2	49.3	49.6	49.6	49.6	50.1	50.1	50.1
≥ 1800	24.5	35.4	39.8	41.3	45.0	45.3	47.5	48.4	48.5	49.7	50.0	50.0	50.0	50.5	50.5	50.5
IV 1500	27.4	40.2	44.9	46.4	50.5	50.8	53.0	54.6	54.9	56.1	56.3	56.3	56.5	56.9	56.9	56.9
≥ 1200	29.4	43.0	48.0	50.0	54.9	55.4	57.9	59.6	59.9	61.5	61.7	61.7	61.9	62.3	62.3	62.3
IV 1000	30.5	44.2	49.2	51.6	57.3	57.9	61.3	63.6	64.0	65.8	66.1	66.1	66.2	66.6	66.6	66.6
≥ 900	31.3	45.1	50.1	52.6	58.3	59.0	62.4	64.6	65.0	66.9	67.2	67.2	67.3	67.7	67.7	67.7
IV 800	31.8	46.8	51.8	54.6	60.8	61.6	65.2	67.9	68.5	70.4	70.7	70.7	71.0	71.5	71.5	71.5
≥ 700	32.2	47.6	52.8	55.7	62.1	62.9	66.5	69.3	69.9	72.0	72.3	72.3	72.6	73.1	73.4	73.4
IV 600	32.3	47.9	53.0	56.6	63.6	64.4	68.1	71.0	72.2	74.7	74.9	74.9	75.2	75.7	76.0	76.0
≥ 500	32.5	48.2	53.3	57.3	64.6	65.7	70.7	73.7	75.2	78.1	78.5	78.6	79.0	79.7	79.9	79.9
IV 400	32.7	48.8	54.1	58.2	65.6	66.9	72.8	76.1	78.0	81.1	81.8	81.9	82.3	83.0	83.2	83.2
≥ 300	32.7	48.9	54.4	58.4	66.0	67.4	74.4	78.5	80.5	84.8	85.5	85.8	86.3	87.9	88.1	88.1
IV 200	32.7	49.1	54.5	58.6	66.2	67.7	74.9	79.4	81.5	86.9	87.7	88.7	90.2	93.0	93.8	94.1
≥ 100	32.7	49.1	54.5	58.6	66.2	67.7	74.9	79.4	81.5	87.3	88.5	89.8	91.7	95.1	97.2	100.0
IV 0	32.7	49.1	54.5	58.6	66.2	67.7	74.9	79.4	81.5	87.3	88.5	89.8	91.7	95.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 758

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	13.5	20.9	22.8	24.9	25.7	25.7	26.8	26.8	26.9	27.2	27.4	27.4	27.4	27.4	27.4	27.4
≥ 20000	17.5	25.7	28.2	30.3	31.8	31.8	32.8	32.8	33.2	33.6	33.9	33.9	33.9	33.9	33.9	33.9
≥ 18000	18.0	26.2	28.7	30.8	32.3	32.3	33.3	33.3	33.9	34.4	34.6	34.8	34.8	34.8	34.8	34.8
≥ 16000	18.2	26.5	29.0	31.1	32.5	32.5	33.6	33.6	34.1	34.6	34.9	35.0	35.0	35.0	35.0	35.0
≥ 14000	18.2	26.5	29.0	31.1	32.5	32.5	33.6	33.6	34.1	34.6	34.9	35.0	35.0	35.0	35.0	35.0
≥ 12000	18.9	27.6	30.1	32.2	33.7	33.7	34.8	34.8	35.3	35.8	36.1	36.2	36.2	36.2	36.2	36.2
≥ 10000	20.1	29.5	32.0	34.1	35.7	35.7	36.7	36.7	37.3	37.8	38.1	38.2	38.2	38.2	38.2	38.2
≥ 9000	20.2	29.7	32.2	34.3	35.8	35.8	36.9	36.9	37.4	37.9	38.2	38.3	38.3	38.3	38.3	38.3
≥ 8000	21.7	31.8	34.4	36.9	38.5	38.5	39.6	39.6	40.6	41.1	41.3	41.5	41.5	41.5	41.5	41.5
≥ 7000	22.3	32.4	35.2	37.7	39.4	39.4	40.6	40.8	41.5	42.1	42.4	42.5	42.5	42.5	42.5	42.5
≥ 6000	22.2	32.5	35.6	38.1	39.8	39.8	40.9	41.2	41.9	42.5	42.8	42.9	42.9	42.9	42.9	42.9
≥ 5000	22.3	32.8	36.0	38.5	40.2	40.2	41.5	41.9	42.7	43.4	43.8	44.0	44.0	44.0	44.0	44.0
≥ 4500	22.3	32.8	36.0	38.5	40.2	40.2	41.5	41.9	42.7	43.4	43.8	44.0	44.0	44.0	44.0	44.0
≥ 4000	22.8	33.3	36.7	39.5	41.2	41.3	42.8	43.3	44.1	44.9	45.3	45.4	45.4	45.4	45.4	45.5
≥ 3500	23.0	33.6	37.0	39.8	41.5	41.6	43.0	43.7	44.5	45.3	45.7	45.8	45.8	45.8	45.9	46.2
≥ 3000	23.8	35.2	38.7	41.5	43.6	43.7	45.1	45.8	46.6	47.4	47.8	47.9	47.9	47.9	48.0	48.3
≥ 2500	27.7	39.8	43.6	46.5	48.8	49.0	50.4	51.0	51.8	52.6	53.0	53.1	53.1	53.1	53.3	53.5
≥ 2000	30.3	43.6	47.6	50.9	53.8	53.9	56.0	56.7	57.6	58.5	58.9	59.1	59.1	59.2	59.3	59.6
≥ 1800	30.8	44.5	48.6	51.8	54.7	54.9	57.0	57.6	58.7	59.6	60.0	60.1	60.1	60.2	60.4	60.6
≥ 1500	33.5	48.0	52.5	55.9	59.3	59.6	61.7	62.5	64.0	65.0	65.4	65.6	65.6	65.7	65.9	66.1
≥ 1200	34.5	50.3	54.9	59.1	62.7	63.1	65.5	66.7	68.2	69.3	69.7	69.9	69.9	70.2	70.3	70.6
≥ 1000	35.2	51.3	56.0	60.6	65.0	65.5	68.5	69.7	71.3	72.3	72.7	73.0	73.0	73.2	73.4	73.6
≥ 900	35.7	52.2	57.0	61.5	66.3	66.8	69.8	71.0	72.7	73.9	74.3	74.5	74.5	74.8	74.9	75.2
≥ 800	36.1	53.0	58.0	62.6	67.6	68.2	71.5	73.0	74.8	76.1	76.5	76.8	76.8	77.0	77.2	77.4
≥ 700	36.5	53.7	58.9	63.5	68.5	69.2	72.6	74.1	76.1	77.7	78.2	78.5	78.6	78.9	79.0	79.3
≥ 600	36.9	54.5	59.8	64.6	69.9	70.7	75.1	76.8	79.3	81.0	81.5	81.8	81.9	82.2	82.3	82.5
≥ 500	37.0	54.6	60.0	64.7	71.1	72.3	77.2	79.1	81.6	83.6	84.1	84.4	84.5	84.8	84.9	85.2
≥ 400	37.0	54.6	60.0	64.8	71.5	72.7	78.3	80.4	83.1	85.0	85.6	86.0	86.1	86.4	86.5	86.7
≥ 300	37.0	54.6	60.0	65.0	71.9	73.2	79.4	81.9	84.8	87.7	88.3	88.8	89.4	89.9	90.0	90.3
≥ 200	37.0	54.6	60.0	65.0	72.0	73.4	79.7	82.3	85.6	89.2	90.3	90.9	92.3	93.6	94.1	94.4
≥ 100	37.7	54.6	60.0	65.0	72.0	73.4	79.7	82.3	85.7	89.5	90.8	91.6	92.9	95.4	97.4	100.0
≥ 0	37.7	54.6	60.0	65.0	72.0	73.4	79.7	82.3	85.7	89.5	90.8	91.6	92.9	95.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 762

GLCBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

FEB

MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	13.8	20.2	22.9	24.0	26.1	26.3	26.7	26.9	26.9	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 20000	18.0	25.4	28.0	29.6	32.7	32.9	33.4	33.8	34.0	34.6	34.7	34.7	34.7	34.8	34.8	34.8
≥ 18000	18.0	25.4	28.0	29.6	32.9	33.0	33.5	33.9	34.2	34.7	34.8	34.8	34.8	35.1	35.1	35.1
≥ 16000	18.3	25.6	28.3	29.8	33.1	33.2	33.8	34.2	34.4	35.0	35.1	35.1	35.1	35.3	35.3	35.3
≥ 14000	18.4	25.9	28.5	30.1	33.4	33.5	34.0	34.4	34.7	35.2	35.3	35.3	35.3	35.6	35.6	35.6
≥ 12000	18.7	26.4	29.0	30.6	33.9	34.0	34.6	35.0	35.2	35.7	35.9	35.9	35.9	36.1	36.1	36.1
≥ 10000	19.2	26.9	29.7	31.3	34.6	34.7	35.2	35.6	35.9	36.7	36.8	36.8	36.8	37.1	37.1	37.1
≥ 9000	19.4	27.6	30.4	31.9	35.2	35.3	35.9	36.3	36.5	37.3	37.5	37.5	37.5	37.7	37.7	37.7
≥ 8000	20.9	29.3	32.1	33.8	37.2	37.3	37.8	38.2	38.5	39.3	39.4	39.4	39.4	39.7	39.7	39.7
≥ 7000	21.4	29.8	32.6	34.3	37.8	38.0	38.6	39.0	39.3	40.3	40.5	40.5	40.5	40.7	40.7	40.7
≥ 6000	21.4	29.8	32.6	34.3	38.0	38.1	38.9	39.3	39.6	40.6	40.7	40.7	40.7	41.0	41.0	41.0
≥ 5000	21.4	29.8	32.6	34.3	38.4	38.5	39.4	39.8	40.1	41.5	41.7	41.7	41.7	41.9	41.9	41.9
IV 4500	21.6	30.0	32.7	34.4	38.5	38.6	39.6	39.9	40.2	41.7	41.8	41.8	41.8	42.0	42.0	42.0
IV 4000	21.9	31.1	34.3	36.0	40.2	40.3	41.4	41.9	42.2	43.8	43.9	43.9	44.0	44.4	44.4	44.4
IV 3500	22.7	32.1	35.2	37.1	41.8	41.9	43.1	43.9	44.2	45.7	45.9	45.9	46.0	46.4	46.4	46.4
IV 3000	23.5	33.0	36.4	38.4	43.5	43.6	45.1	46.1	46.4	48.0	48.1	48.1	48.2	48.6	48.6	48.6
IV 2500	25.4	35.3	39.2	41.4	46.5	46.6	48.2	49.3	49.5	51.1	51.2	51.2	51.4	51.8	51.8	51.8
IV 2000	27.3	38.6	42.4	44.8	50.3	50.5	52.4	53.6	53.9	55.8	56.0	56.0	56.1	56.5	56.5	56.5
IV 1800	27.6	39.0	43.0	45.5	51.4	51.5	53.6	54.8	55.1	57.0	57.3	57.3	57.4	58.0	58.0	58.0
IV 1500	29.7	41.4	45.9	49.1	55.7	56.0	58.6	60.1	60.4	62.4	62.7	62.7	62.8	63.3	63.3	63.3
IV 1200	30.5	42.3	46.9	51.0	58.3	58.7	61.8	63.3	63.7	66.1	66.5	66.5	66.6	67.1	67.1	67.1
IV 1000	31.0	44.4	49.0	53.4	61.2	62.0	66.2	67.9	68.5	71.0	71.4	71.4	71.5	72.1	72.1	72.1
IV 900	31.0	44.5	49.1	53.6	61.8	62.5	66.8	68.5	69.0	71.5	71.9	71.9	72.0	72.7	72.7	72.7
IV 800	31.4	45.6	50.3	54.9	63.7	64.5	68.9	71.1	71.6	74.1	74.5	74.5	74.6	75.3	75.3	75.3
IV 700	31.7	46.3	51.1	55.8	64.8	65.6	70.2	72.7	73.6	76.2	76.6	76.6	76.7	77.4	77.4	77.4
IV 600	31.9	46.6	51.6	56.4	65.7	66.5	71.5	74.2	75.2	78.3	78.7	79.1	79.2	79.9	79.9	79.9
IV 500	32.1	46.8	51.9	56.6	66.6	67.4	72.8	76.1	77.3	80.6	80.9	81.5	81.6	82.4	82.4	82.4
IV 400	32.1	46.8	51.9	56.6	67.1	67.9	74.2	77.8	79.2	82.9	83.4	84.0	84.1	84.9	84.9	84.9
IV 300	32.1	46.9	52.0	56.8	67.4	68.2	74.5	78.1	79.6	84.4	85.5	86.6	87.1	88.4	88.4	88.4
IV 200	32.1	46.9	52.0	56.8	67.5	68.3	74.8	78.7	80.4	85.7	87.0	88.3	89.8	93.0	93.8	94.3
IV 100	32.1	46.9	52.0	56.8	67.5	68.3	74.9	79.1	80.9	86.5	87.8	89.1	90.8	94.9	96.7	99.7
IV 0	32.1	46.9	52.0	56.8	67.5	68.3	74.9	79.1	80.9	86.5	87.8	89.2	90.9	95.0	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 761

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	16.7	22.0	23.3	24.2	28.1	28.3	29.4	30.9	31.4	32.2	32.5	32.5	32.5	32.5	32.5	32.6
≥ 20000	18.1	23.7	25.8	27.2	31.1	31.4	32.5	33.9	34.4	35.5	35.8	35.8	35.8	35.8	35.8	35.9
IV 18000	18.1	23.7	25.8	27.2	31.1	31.4	32.5	33.9	34.4	35.5	35.8	35.8	35.8	35.8	35.8	35.9
IV 16000	18.1	23.7	25.8	27.2	31.1	31.4	32.5	33.9	34.4	35.5	35.8	35.8	35.8	35.8	35.8	35.9
IV 14000	18.3	23.8	26.0	27.3	31.3	31.5	32.6	34.0	34.6	35.6	35.9	35.9	35.9	35.9	35.9	36.0
IV 12000	18.5	24.4	26.5	27.8	31.8	32.1	33.1	34.6	35.1	36.2	36.4	36.4	36.4	36.4	36.4	36.6
IV 10000	18.8	24.8	26.9	28.2	32.2	32.5	33.5	35.0	35.5	36.6	36.8	36.8	36.8	37.0	37.0	37.1
IV 9000	19.1	25.0	27.2	28.5	32.5	32.7	33.8	35.2	35.8	36.8	37.1	37.1	37.1	37.2	37.2	37.4
IV 8000	20.1	26.5	29.0	30.3	34.4	34.7	35.8	37.2	37.7	38.8	39.1	39.1	39.1	39.2	39.2	39.3
IV 7000	20.5	27.3	29.8	31.1	35.2	35.5	36.7	38.1	38.7	39.7	40.0	40.0	40.1	40.3	40.3	40.4
IV 6000	20.8	27.7	30.2	31.5	35.6	35.9	37.1	38.5	39.1	40.1	40.4	40.4	40.5	40.7	40.7	40.8
IV 5000	20.8	27.9	30.5	31.8	35.9	36.2	37.4	38.8	39.3	40.4	40.7	40.7	40.8	40.9	40.9	41.1
IV 4500	20.9	28.2	30.7	32.1	36.3	36.6	37.7	39.2	39.7	40.8	41.1	41.1	41.2	41.3	41.3	41.5
IV 4000	22.3	29.7	32.2	33.5	38.4	39.1	40.4	42.0	42.6	43.7	44.0	44.0	44.1	44.5	44.5	44.6
IV 3500	24.0	31.7	34.3	35.6	40.9	41.6	42.9	44.6	45.3	46.4	46.6	46.6	46.8	47.2	47.2	47.3
IV 3000	25.4	33.8	36.8	38.3	43.7	44.5	45.8	47.5	48.2	49.3	49.5	49.5	49.7	50.1	50.1	50.2
IV 2500	26.5	35.4	38.4	39.9	45.6	46.4	47.9	49.7	50.3	51.4	51.7	51.7	51.9	52.3	52.3	52.5
IV 2000	28.2	38.1	41.3	42.9	48.9	49.7	51.4	53.1	53.9	55.1	55.4	55.4	55.6	56.0	56.0	56.2
IV 1800	28.3	38.4	41.6	43.2	49.4	50.2	51.9	53.6	54.4	55.8	56.0	56.0	56.3	56.7	56.7	56.8
IV 1500	29.4	39.9	43.3	45.2	52.2	53.8	56.3	58.1	58.9	60.3	60.5	60.5	60.8	61.2	61.2	61.3
IV 1200	29.8	40.8	44.4	47.0	54.7	56.3	58.9	60.9	61.7	63.0	63.3	63.3	63.6	64.0	64.0	64.1
IV 1000	31.4	43.0	46.8	49.8	58.1	59.9	64.1	66.5	67.3	68.9	69.4	69.4	69.7	70.1	70.1	70.2
IV 900	31.4	43.3	47.0	50.1	58.7	60.5	65.0	67.4	68.2	69.8	70.3	70.3	70.6	71.0	71.0	71.1
IV 800	32.2	45.0	48.9	51.9	61.2	63.0	68.5	71.1	71.9	73.5	74.0	74.0	74.3	74.7	74.7	74.8
IV 700	32.5	45.3	49.1	52.7	62.8	64.6	70.3	73.2	74.2	75.9	76.4	76.4	76.7	77.1	77.1	77.2
IV 600	32.7	45.6	49.4	53.0	63.3	65.3	71.0	74.2	75.2	77.6	78.1	78.3	78.5	78.9	78.9	79.1
IV 500	32.8	45.8	49.7	53.5	65.2	67.3	73.4	76.7	78.1	81.5	82.1	82.3	82.5	83.2	83.2	83.3
IV 400	32.8	45.8	49.7	53.5	65.6	67.7	74.8	78.5	80.1	83.4	84.2	84.4	84.6	85.4	85.4	85.6
IV 300	32.8	45.8	49.7	53.5	65.8	67.9	75.4	79.5	81.2	84.9	86.0	86.1	86.4	87.8	87.8	87.9
IV 200	32.8	45.8	49.7	53.5	65.8	67.9	75.5	79.9	81.6	85.8	87.4	87.7	88.3	91.8	91.9	92.2
IV 100	33.0	46.0	49.8	53.6	66.0	68.1	75.6	80.3	82.0	86.6	88.6	88.9	89.5	94.4	95.9	98.7
IV 0	33.0	46.0	49.8	53.6	66.0	68.1	75.8	80.4	82.1	86.8	88.7	89.0	89.7	94.7	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 755

USAF ETAC

FORM 7-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005
NO CEILING	11.7	17.5	19.4	20.5	23.4	23.7	24.6	25.5	25.9	26.6	26.8	26.9	27.0	27.3	27.4	27.7
≥ 20000	13.9	20.1	22.3	23.5	26.8	27.1	28.1	29.1	29.5	30.4	30.6	30.7	30.8	31.1	31.2	31.6
IV 18000	14.0	20.2	22.4	23.7	27.0	27.4	28.3	29.3	29.8	30.7	30.9	31.0	31.1	31.4	31.5	31.9
IV 16000	14.1	20.4	22.6	23.8	27.2	27.5	28.5	29.5	29.9	30.8	31.0	31.2	31.3	31.6	31.7	32.1
IV 14000	14.2	20.5	22.7	24.0	27.3	27.6	28.6	29.6	30.1	30.9	31.2	31.3	31.4	31.7	31.8	32.2
IV 12000	14.4	20.9	23.2	24.4	27.8	28.2	29.2	30.2	30.6	31.5	31.7	31.9	32.0	32.3	32.4	32.8
IV 10000	14.9	21.5	23.9	25.1	28.5	28.9	29.9	30.9	31.3	32.2	32.5	32.6	32.7	33.0	33.1	33.6
IV 9000	15.1	21.8	24.1	25.4	28.9	29.2	30.2	31.2	31.7	32.6	32.8	32.9	33.1	33.4	33.5	33.9
IV 8000	16.0	23.0	25.5	26.8	30.6	30.9	31.1	33.1	33.6	34.5	34.7	34.9	35.0	35.3	35.4	35.9
IV 7000	16.4	23.6	26.1	27.4	31.2	31.6	32.8	33.9	34.4	35.3	35.6	35.7	35.9	36.2	36.3	36.8
IV 6000	16.5	23.7	26.3	27.6	31.5	31.8	33.0	34.1	34.6	35.6	35.8	36.0	36.1	36.4	36.6	37.0
IV 5000	16.6	23.9	26.4	27.8	31.8	32.1	33.4	34.5	35.0	36.1	36.4	36.5	36.7	37.0	37.1	37.6
IV 4500	16.7	24.0	26.6	27.9	31.9	32.2	33.5	34.7	35.2	36.2	36.5	36.6	36.8	37.1	37.3	37.7
IV 4000	17.6	25.3	28.0	29.5	33.7	34.2	35.6	36.9	37.5	38.7	39.0	39.1	39.3	39.7	39.9	40.3
IV 3500	18.5	26.4	29.2	30.7	35.2	35.6	37.1	38.5	39.1	40.3	40.6	40.8	41.0	41.4	41.6	42.0
IV 3000	19.5	27.8	30.8	32.4	37.2	37.6	39.4	40.9	41.5	42.8	43.1	43.2	43.5	43.9	44.2	44.7
IV 2500	21.2	30.1	33.2	34.9	39.9	40.4	42.5	43.9	44.6	45.8	46.1	46.3	46.5	47.0	47.3	47.7
IV 2000	23.5	33.2	36.5	38.3	43.8	44.3	46.7	48.3	48.9	50.3	50.7	50.8	51.1	51.6	51.8	52.3
IV 1800	24.0	33.9	37.2	39.1	44.6	45.2	47.6	49.2	49.9	51.3	51.6	51.7	52.0	52.5	52.8	53.3
IV 1500	26.2	36.9	40.4	42.5	48.6	49.4	52.0	53.8	54.6	56.0	56.4	56.5	56.8	57.3	57.6	58.1
IV 1200	27.6	39.0	42.7	45.3	52.3	53.1	56.1	58.1	58.9	60.5	60.8	61.0	61.2	61.8	62.1	62.5
IV 1000	28.4	40.4	44.2	47.2	54.7	55.7	59.6	61.8	62.7	64.5	64.9	65.1	65.4	65.9	66.2	66.7
IV 900	28.8	41.0	44.8	47.9	55.7	56.7	60.8	63.0	64.0	65.7	66.2	66.3	66.6	67.2	67.5	67.9
IV 800	29.4	42.2	46.3	49.5	57.8	58.9	63.4	66.0	67.0	68.9	69.3	69.4	69.7	70.3	70.7	71.1
IV 700	29.7	42.7	46.8	50.2	59.0	60.1	64.8	67.5	68.6	70.8	71.2	71.4	71.7	72.3	72.6	73.1
IV 600	30.1	43.3	47.6	51.2	60.5	61.6	66.8	69.7	71.0	73.5	73.9	74.1	74.5	75.1	75.4	75.9
IV 500	30.3	43.6	48.0	51.9	62.0	63.4	69.2	72.4	73.9	76.9	77.4	77.7	78.1	79.0	79.3	79.8
IV 400	30.3	43.9	48.2	52.3	62.7	64.1	70.8	74.3	75.9	79.2	79.9	80.2	80.7	81.6	81.9	82.4
IV 300	30.4	44.0	48.4	52.5	63.2	64.6	71.8	75.7	77.6	81.7	82.8	83.3	84.2	85.7	86.1	86.6
IV 200	30.5	44.1	48.4	52.6	63.4	64.9	72.2	76.5	78.5	83.6	85.0	85.9	87.3	90.4	91.5	92.2
IV 100	30.5	44.1	48.5	52.6	63.4	64.9	72.4	76.7	78.9	84.3	85.9	86.9	88.8	93.1	95.9	99.0
IV 0	30.5	44.1	48.5	52.6	63.4	64.9	72.4	76.7	78.9	84.3	85.9	87.0	88.8	93.2	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6058

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	21.5	26.4	27.9	28.4	30.0	30.0	30.6	31.4	31.8	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 20000	24.2	29.9	31.4	32.1	33.8	33.8	34.6	35.5	35.9	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 18000	24.2	29.9	31.4	32.1	33.9	33.9	34.8	35.6	36.0	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 16000	24.2	29.9	31.4	32.1	33.9	33.9	34.8	35.6	36.0	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 14000	24.2	29.9	31.4	32.1	33.9	33.9	34.8	35.6	36.0	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 12000	24.3	30.0	31.6	32.2	34.0	34.0	34.9	35.7	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 10000	24.6	30.6	33.2	33.8	35.6	35.6	36.5	37.3	37.7	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 9000	24.7	30.8	33.4	34.0	36.0	36.1	37.1	38.0	38.3	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 8000	24.9	31.7	34.3	34.9	36.9	37.0	38.0	38.8	39.2	39.9	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000	25.7	32.4	35.0	35.6	37.6	37.7	38.8	39.7	40.0	40.8	40.9	40.9	40.9	40.9	40.9	40.9
≥ 6000	25.8	32.9	35.5	36.2	38.2	38.3	39.6	40.4	40.8	41.5	41.6	41.6	41.6	41.6	41.6	41.6
≥ 5000	27.3	34.6	37.6	38.3	40.7	40.8	42.0	42.9	43.2	44.0	44.1	44.1	44.1	44.2	44.2	44.2
≥ 4500	28.7	36.7	39.8	40.5	42.9	43.0	44.2	45.1	45.5	46.2	46.3	46.3	46.3	46.4	46.4	46.4
≥ 4000	31.8	41.4	44.6	45.5	48.2	48.3	49.9	50.7	51.1	51.8	52.0	52.0	52.0	52.1	52.1	52.1
≥ 3500	33.3	44.1	47.3	48.2	50.9	51.0	52.6	53.4	53.8	54.5	55.0	55.0	55.0	55.2	55.2	55.2
≥ 3000	35.3	47.2	50.7	51.6	54.8	54.9	56.6	57.5	57.9	58.6	59.1	59.1	59.1	59.2	59.2	59.2
≥ 2500	37.2	49.9	53.4	54.3	57.7	57.9	59.6	60.4	60.8	61.5	62.0	62.0	62.0	62.2	62.2	62.2
≥ 2000	38.3	52.1	55.8	56.6	60.1	60.3	62.3	63.1	63.5	64.3	64.7	64.7	64.7	64.9	64.9	64.9
≥ 1800	38.5	52.6	56.6	57.5	60.9	61.2	63.3	64.1	64.5	65.2	65.7	65.7	65.7	65.8	65.8	65.8
≥ 1500	40.9	55.4	59.6	60.6	65.2	65.5	67.7	68.8	69.2	69.9	70.4	70.4	70.4	70.5	70.5	70.5
≥ 1200	42.5	57.6	61.8	63.3	69.0	69.4	71.6	72.7	73.1	74.1	74.6	74.6	74.6	74.7	74.7	74.7
≥ 1000	43.2	59.0	63.1	64.6	70.9	71.3	73.5	74.7	75.1	76.2	76.7	76.7	76.7	76.8	76.8	76.8
≥ 900	43.5	60.0	64.1	65.8	72.9	73.3	75.8	77.0	77.5	78.7	79.2	79.2	79.2	79.4	79.4	79.4
≥ 800	43.6	60.7	65.1	67.0	74.4	74.9	77.5	78.9	79.4	80.6	81.1	81.1	81.1	81.2	81.2	81.2
≥ 700	44.1	61.5	66.2	68.1	75.8	76.3	78.9	80.3	81.1	82.3	82.8	82.8	82.8	82.9	82.9	82.9
≥ 600	44.5	62.2	67.0	69.2	76.9	77.4	80.6	82.1	83.0	84.5	85.0	85.0	85.0	85.1	85.1	85.1
≥ 500	44.6	62.3	67.3	69.5	77.6	78.3	82.2	84.4	85.4	86.9	87.3	87.3	87.3	87.7	87.7	87.7
≥ 400	44.8	62.8	67.8	70.0	78.5	79.2	83.3	85.9	87.0	88.7	89.3	89.3	89.3	89.8	89.8	89.8
≥ 300	44.8	62.9	67.9	70.1	78.7	79.5	83.7	86.2	87.6	89.4	90.2	90.2	90.2	90.7	91.0	91.0
≥ 200	44.8	62.9	67.9	70.3	79.0	79.9	84.3	86.9	88.5	90.8	91.6	91.8	92.3	94.1	94.7	95.1
≥ 100	44.8	62.9	67.9	70.3	79.0	79.9	84.4	87.0	88.9	91.5	92.5	92.8	93.6	96.3	97.9	99.4
≥ 0	44.8	62.9	67.9	70.3	79.0	79.9	84.4	87.0	88.9	91.5	92.5	92.9	93.7	96.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 814

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-2500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	15.4	20.4	22.0	22.5	24.7	24.7	25.9	26.2	26.2	27.2	27.2	27.2	27.2	27.3	27.4	27.4
≥ 20000	18.1	23.4	25.0	25.5	27.8	27.8	29.4	29.6	29.6	31.0	31.0	31.0	31.0	31.2	31.3	31.3
IN 18000	18.1	23.4	25.0	25.5	27.8	27.8	29.4	29.6	29.6	31.0	31.0	31.0	31.0	31.2	31.3	31.3
IN 16000	18.1	23.4	25.0	25.5	27.8	27.8	29.4	29.6	29.6	31.0	31.0	31.0	31.0	31.2	31.3	31.3
IN 14000	18.1	23.4	25.0	25.5	27.8	27.8	29.4	29.6	29.6	31.0	31.0	31.0	31.0	31.2	31.3	31.3
IN 12000	18.4	23.7	25.3	25.8	28.3	28.3	29.9	30.1	30.1	31.5	31.5	31.5	31.5	31.7	31.8	31.8
IN 10000	19.2	24.8	27.3	27.9	30.6	30.6	32.2	32.4	32.4	33.8	33.8	33.8	33.8	34.0	34.1	34.1
IN 9000	19.3	25.0	27.4	28.0	31.0	31.0	32.6	32.8	32.8	34.1	34.1	34.1	34.1	34.4	34.5	34.5
IN 8000	20.8	26.8	29.3	30.0	32.9	32.9	34.8	35.0	35.0	36.4	36.4	36.4	36.4	36.6	36.7	36.7
IN 7000	21.2	27.2	29.6	30.4	33.3	33.3	35.1	35.4	35.4	36.7	36.7	36.7	36.7	37.0	37.1	37.1
IN 6000	21.3	27.7	30.1	30.8	33.8	33.8	35.6	35.9	35.9	37.2	37.5	37.5	37.5	37.7	37.8	37.8
IN 5000	21.9	28.9	31.7	32.8	35.9	36.0	38.2	38.4	38.4	39.8	40.0	40.0	40.0	40.3	40.4	40.4
IN 4500	23.3	30.5	33.3	34.6	37.7	37.8	40.0	40.3	40.3	41.6	41.9	41.9	41.9	42.1	42.2	42.2
IN 4000	26.2	33.9	37.0	38.6	42.2	42.4	44.7	44.9	44.9	46.3	46.5	46.5	46.5	46.8	46.9	46.9
IN 3500	27.5	36.7	39.9	41.6	45.4	45.5	47.9	48.1	48.1	49.4	49.7	49.7	49.7	49.9	50.1	50.1
IN 3000	30.2	40.6	43.8	46.0	50.1	50.2	52.6	52.9	52.9	54.2	54.8	54.8	54.8	55.1	55.2	55.2
IN 2500	32.4	43.2	46.5	49.0	53.4	53.6	56.1	56.3	56.3	57.6	58.3	58.3	58.3	58.5	58.6	58.6
IN 2000	33.4	44.6	47.9	50.3	54.8	55.1	57.6	57.9	57.9	59.2	59.9	59.9	59.9	60.1	60.2	60.2
IN 1800	34.3	45.4	48.8	51.5	56.3	56.5	59.1	59.4	59.4	60.7	61.3	61.3	61.3	61.6	61.7	61.7
IN 1500	36.6	47.7	51.3	54.5	60.2	60.7	63.3	63.8	64.0	65.6	66.2	66.2	66.2	66.5	66.6	66.6
IN 1200	39.5	51.4	55.2	58.8	65.4	65.9	68.7	69.2	69.4	71.1	71.7	71.7	71.7	72.0	72.1	72.1
IN 1000	40.0	52.5	56.4	60.3	67.8	68.3	71.5	72.0	72.3	74.1	74.8	74.8	74.8	75.0	75.2	75.2
IN 900	40.3	53.1	57.0	61.0	68.8	69.3	72.8	73.6	73.9	75.8	76.5	76.5	76.5	76.7	76.9	76.9
IN 800	41.7	54.3	58.6	62.7	70.7	71.2	75.1	76.1	76.6	78.6	79.3	79.3	79.3	79.6	79.7	79.7
IN 700	41.0	54.3	58.6	62.7	71.4	71.8	75.9	77.1	77.6	79.6	80.4	80.4	80.4	80.7	80.8	80.8
IN 600	41.5	55.0	59.4	63.4	72.6	73.2	77.6	78.8	79.4	81.4	82.3	82.3	82.3	82.6	82.7	82.7
IN 500	41.9	55.3	59.9	63.9	73.6	74.7	79.9	81.3	81.9	84.3	85.2	85.2	85.3	85.6	85.7	85.7
IN 400	41.9	55.3	59.9	63.9	73.8	74.9	80.4	82.1	82.7	85.6	86.5	86.5	86.7	86.9	87.0	87.0
IN 300	42.0	55.6	60.2	64.4	74.5	75.6	81.5	83.5	84.2	87.1	88.2	88.2	88.5	88.9	89.6	89.7
IN 200	42.0	55.6	60.2	64.4	74.5	75.6	81.6	83.7	84.9	88.2	89.5	89.7	90.2	91.1	92.2	92.5
IN 100	42.0	55.6	60.2	64.4	74.5	75.6	81.6	83.7	84.9	88.9	90.2	90.6	91.6	94.2	97.1	98.7
IN 0	42.0	55.6	60.2	64.4	74.5	75.6	81.6	83.7	84.9	88.9	90.2	90.6	91.6	94.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	17.9	16.2	16.9	17.3	19.7	20.0	21.5	22.2	22.5	23.2	23.4	23.4	23.6	23.8	23.8	23.9
≥ 20000	13.2	18.8	19.6	19.9	22.5	22.8	24.4	25.6	26.0	26.7	26.9	26.9	27.1	27.3	27.3	27.4
≥ 18000	13.4	19.1	19.8	20.2	22.7	23.1	24.6	25.8	26.2	26.9	27.2	27.2	27.3	27.5	27.5	27.7
IV 16000	13.4	19.1	19.8	20.2	22.7	23.1	24.6	25.8	26.2	26.9	27.2	27.2	27.3	27.5	27.5	27.7
IV 14000	13.5	19.2	19.9	20.3	22.8	23.2	24.8	26.0	26.3	27.2	27.4	27.4	27.5	27.9	27.9	28.0
IV 12000	14.0	19.7	20.4	20.8	23.3	23.7	25.2	26.4	26.8	27.7	27.9	27.9	28.0	28.4	28.4	28.5
IV 10000	15.2	21.0	21.7	22.1	24.8	25.1	26.8	28.0	28.4	29.3	29.6	29.6	29.7	30.1	30.1	30.2
IV 9000	15.5	21.3	22.0	22.3	25.0	25.4	27.1	28.3	28.7	29.7	30.0	30.0	30.1	30.4	30.4	30.6
IV 8000	16.4	22.5	23.2	23.8	26.7	27.1	29.0	30.3	30.9	31.9	32.1	32.1	32.2	32.6	32.6	32.7
IV 7000	17.4	23.4	24.4	25.0	27.9	28.3	30.2	31.5	32.1	33.1	33.3	33.3	33.5	33.8	33.8	33.9
IV 6000	17.5	23.8	24.8	25.4	28.4	28.7	30.7	32.1	32.7	33.7	33.9	33.9	34.2	34.5	34.5	34.7
IV 5000	17.5	24.2	25.4	26.2	29.2	29.7	31.8	33.6	34.2	35.1	35.4	35.5	35.9	36.2	36.2	36.4
IV 4500	17.8	24.5	25.7	26.6	29.6	30.1	32.1	33.9	34.5	35.5	35.7	35.9	36.2	36.6	36.6	36.7
IV 4000	20.8	27.9	29.1	30.1	33.1	33.7	36.1	37.9	38.5	39.6	39.9	40.0	40.5	40.8	40.8	40.9
IV 3500	21.6	29.3	30.7	31.6	34.8	35.4	37.9	39.7	40.3	41.4	41.7	41.8	42.3	42.6	42.6	42.9
IV 3000	24.0	33.0	34.4	35.5	38.9	39.6	42.4	44.3	45.2	46.4	46.7	46.9	47.3	47.8	47.8	48.2
IV 2500	26.0	35.4	37.0	38.4	42.1	42.9	45.7	47.6	48.4	49.8	50.1	50.2	50.7	51.2	51.2	51.6
IV 2000	27.3	37.2	38.8	40.3	44.2	44.9	47.9	50.0	50.8	52.2	52.5	52.7	53.1	53.6	53.6	54.0
IV 1800	27.7	37.6	39.1	40.7	44.7	45.4	48.4	50.6	51.4	52.8	53.1	53.3	53.7	54.2	54.2	54.6
IV 1500	29.6	40.2	42.1	44.1	48.8	49.6	53.0	55.4	56.3	57.9	58.3	58.5	58.9	59.5	59.5	59.9
IV 1200	32.1	43.5	45.8	48.4	53.9	55.1	58.7	61.1	62.0	63.5	64.0	64.3	64.7	65.3	65.3	65.7
IV 1000	33.0	45.3	47.6	50.5	56.9	58.1	62.2	64.6	65.5	67.1	67.6	67.9	68.4	69.0	69.0	69.3
IV 900	33.2	45.8	48.1	51.0	57.6	58.8	63.0	65.5	66.3	68.2	68.7	69.0	69.4	70.0	70.2	70.6
IV 800	33.3	46.3	48.7	51.6	58.9	60.1	64.4	67.0	67.9	69.8	70.3	70.5	71.0	71.6	71.7	72.1
IV 700	33.6	46.7	49.2	52.1	60.1	61.5	66.1	68.8	69.7	71.7	72.3	72.6	73.4	74.2	74.3	74.7
IV 600	34.2	47.7	50.2	53.1	62.2	63.6	68.8	71.7	72.6	74.6	75.2	75.5	76.3	77.1	77.2	77.6
IV 500	34.4	48.3	51.0	54.2	63.9	65.5	71.6	75.4	76.4	78.6	79.2	79.5	80.4	81.2	81.3	81.7
IV 400	34.4	48.3	51.2	54.6	65.0	66.5	72.9	76.8	77.9	80.2	80.9	81.4	82.4	83.1	83.2	83.6
IV 300	34.4	48.3	51.4	54.8	65.5	67.1	74.0	78.4	79.7	82.1	83.2	84.1	85.0	85.7	85.8	86.2
IV 200	34.4	48.3	51.4	54.8	65.5	67.1	74.0	78.9	80.8	83.8	85.3	86.8	88.5	90.0	90.1	90.5
IV 100	34.4	48.3	51.4	54.8	65.5	67.1	74.0	78.9	80.8	84.2	85.6	87.4	89.6	93.2	93.3	93.7
IV 0	34.4	48.3	51.4	54.8	65.5	67.1	74.0	78.9	80.8	84.2	85.6	87.4	89.6	93.2	93.3	93.7

TOTAL NUMBER OF OBSERVATIONS 88

USAF ETAC FORM 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1.6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5900-1100
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	10.1	14.7	15.5	16.3	17.9	18.1	19.4	19.9	20.0	20.3	20.3	20.3	20.3	20.5	20.5	20.7
≥ 20000	14.7	19.8	20.8	21.7	23.7	23.9	25.7	26.3	26.4	26.9	26.9	26.9	26.9	27.2	27.2	27.3
≥ 18000	14.7	19.9	20.9	21.9	23.8	24.0	25.8	26.4	26.6	27.1	27.1	27.1	27.1	27.3	27.3	27.4
≥ 16000	14.7	19.9	20.9	21.9	23.8	24.0	26.0	26.6	26.7	27.2	27.2	27.2	27.2	27.4	27.4	27.5
≥ 14000	15.0	20.2	21.1	22.1	24.0	24.3	26.2	26.8	26.9	27.5	27.5	27.5	27.5	27.8	27.8	27.9
≥ 12000	15.2	20.4	21.5	22.5	24.4	24.6	26.7	27.3	27.4	28.0	28.0	28.0	28.0	28.3	28.3	28.4
≥ 10000	15.9	21.4	22.6	23.6	25.8	26.1	28.3	29.0	29.2	29.8	29.8	29.8	29.8	30.1	30.1	30.2
≥ 9000	16.4	21.9	23.2	24.2	26.4	26.7	28.9	29.6	29.8	30.4	30.4	30.4	30.4	30.7	30.7	30.8
≥ 8000	18.0	24.0	25.4	26.3	28.7	29.0	31.2	31.9	32.1	32.7	32.7	32.7	32.7	33.0	33.0	33.1
≥ 7000	18.6	25.1	26.4	27.4	30.0	30.2	32.5	33.2	33.5	34.1	34.1	34.2	34.2	34.4	34.4	34.5
≥ 6000	18.7	25.2	26.6	27.5	30.3	30.6	32.9	33.6	33.8	34.4	34.4	34.5	34.5	34.9	34.9	35.0
≥ 5000	19.1	25.7	27.2	28.3	31.2	31.4	33.7	34.5	35.0	35.6	35.6	35.7	35.7	36.1	36.1	36.2
≥ 4500	19.2	26.0	27.4	28.5	31.4	31.6	34.1	34.9	35.4	36.0	36.0	36.1	36.1	36.5	36.5	36.6
≥ 4000	20.5	27.9	29.5	30.6	33.6	33.8	36.2	37.2	37.7	38.3	38.4	38.5	38.5	38.9	38.9	39.0
≥ 3500	21.4	29.0	30.7	31.8	34.9	35.1	37.6	38.6	39.1	39.7	39.9	40.0	40.1	40.5	40.5	40.6
≥ 3000	22.9	31.2	33.3	34.2	37.6	37.8	40.2	41.3	41.8	42.6	42.9	43.1	43.4	43.7	43.7	43.8
≥ 2500	24.5	33.3	35.3	36.6	40.1	40.3	42.8	44.0	44.6	45.4	45.7	45.9	46.1	46.5	46.5	46.6
≥ 2000	28.3	37.7	39.6	41.1	44.8	45.2	47.7	49.2	49.8	50.7	51.0	51.3	51.6	51.9	51.9	52.1
≥ 1800	29.5	38.9	40.8	42.3	46.0	46.4	49.2	50.6	51.2	52.2	52.4	52.8	53.0	53.4	53.4	53.5
≥ 1500	32.2	42.9	45.0	46.7	51.1	51.4	54.7	56.3	57.0	58.2	58.5	58.8	59.1	59.8	59.8	59.9
≥ 1200	35.3	47.0	49.5	52.3	57.6	58.1	61.8	63.6	64.5	65.7	65.9	66.3	66.5	67.3	67.3	67.4
≥ 1000	36.6	49.2	51.7	54.6	60.4	61.0	65.2	67.1	68.2	69.6	69.8	70.2	70.4	71.1	71.1	71.3
≥ 900	37.2	50.0	52.5	55.4	61.7	62.3	66.5	68.5	69.6	71.0	71.3	71.6	71.9	72.6	72.6	72.7
≥ 800	37.7	51.1	53.7	56.9	63.9	64.5	69.0	71.0	72.1	73.8	74.2	74.8	75.0	75.7	75.7	75.8
≥ 700	37.8	51.4	54.1	57.9	65.3	65.9	70.8	72.8	73.9	75.6	76.0	76.6	76.8	77.5	77.5	77.7
≥ 600	38.2	52.3	55.0	58.8	67.1	67.8	73.1	75.2	76.6	78.4	78.7	79.3	79.7	80.4	80.4	80.6
≥ 500	38.3	52.7	55.6	59.7	69.7	70.3	76.1	78.6	80.0	82.4	82.7	83.5	83.8	84.5	84.5	84.7
≥ 400	38.3	52.7	55.6	59.7	70.4	71.3	77.3	80.1	81.5	83.9	84.3	85.0	85.4	86.2	86.2	86.4
≥ 300	38.3	52.8	55.7	59.8	70.5	71.4	78.3	81.2	83.1	86.2	86.6	87.4	88.0	89.1	89.1	89.3
≥ 200	38.3	52.8	55.7	59.8	70.5	71.4	78.3	82.0	84.1	88.8	89.4	90.3	91.4	93.8	94.9	95.0
≥ 100	38.3	52.8	55.7	59.8	70.5	71.4	78.3	82.0	84.1	88.9	89.5	90.7	92.0	95.5	98.1	99.4
≥ 0	38.3	52.8	55.7	59.8	70.5	71.4	78.3	82.0	84.1	89.0	89.6	90.8	92.1	95.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

MAR

MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	12.2	16.8	17.8	17.9	18.8	19.0	19.7	20.0	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
≥ 20000	17.5	23.4	24.5	24.6	26.7	26.9	27.7	28.2	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.7
≥ 18000	17.9	23.8	24.8	25.0	27.0	27.3	28.1	28.6	28.9	28.9	28.9	28.9	28.9	29.1	29.1	29.1
≥ 16000	17.9	24.0	25.1	25.2	27.3	27.5	28.3	28.8	29.1	29.2	29.2	29.2	29.2	29.3	29.3	29.3
≥ 14000	18.0	24.4	25.5	25.6	27.6	27.9	28.7	29.2	29.5	29.5	29.5	29.5	29.5	29.7	29.7	29.7
≥ 12000	18.4	25.0	26.1	26.2	28.3	28.8	29.7	30.1	30.5	30.5	30.5	30.5	30.5	30.6	30.6	30.6
≥ 10000	19.1	26.1	27.1	27.3	29.4	29.9	30.7	31.2	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7
≥ 9000	19.4	26.5	27.6	27.7	29.9	30.4	31.2	31.7	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2
≥ 8000	21.2	28.9	30.1	30.5	32.7	33.1	34.0	34.5	34.8	34.8	34.8	34.8	34.8	34.9	34.9	34.9
≥ 7000	22.1	29.9	31.2	31.7	34.2	34.7	35.5	36.0	36.4	36.4	36.4	36.4	36.4	36.5	36.5	36.5
≥ 6000	22.3	30.1	31.5	31.9	34.5	34.9	35.8	36.3	36.6	36.6	36.6	36.6	36.6	36.7	36.7	36.7
≥ 5000	23.4	31.5	32.8	33.3	35.8	36.3	37.1	37.6	37.9	37.9	37.9	37.9	37.9	38.1	38.1	38.1
≥ 4500	23.5	31.6	32.9	33.4	35.9	36.4	37.2	37.7	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2
≥ 4000	25.5	34.1	35.5	36.0	38.7	39.1	40.1	40.6	40.9	40.9	40.9	40.9	40.9	41.1	41.1	41.1
≥ 3500	26.4	35.4	37.0	37.6	40.3	40.8	41.8	42.4	42.7	42.9	42.9	42.9	42.9	43.0	43.0	43.0
≥ 3000	28.8	39.1	40.9	42.0	44.8	45.3	46.2	46.8	47.2	47.5	47.5	47.5	47.5	47.7	47.7	47.7
≥ 2500	34.7	46.3	48.3	49.6	52.3	52.8	53.9	54.5	54.9	55.2	55.2	55.2	55.2	55.3	55.3	55.3
≥ 2000	41.8	54.3	56.5	58.2	61.6	62.1	63.1	63.7	64.1	64.5	64.5	64.5	64.5	64.6	64.6	64.6
≥ 1800	42.9	55.7	58.0	59.8	63.4	63.9	64.9	65.5	65.9	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥ 1500	45.1	59.3	61.7	63.9	68.1	68.5	69.7	70.6	70.9	71.3	71.3	71.3	71.3	71.4	71.5	71.5
≥ 1200	48.0	63.4	66.0	68.3	73.0	73.5	74.9	75.8	76.1	76.5	76.5	76.5	76.5	76.6	76.7	76.7
≥ 1000	49.7	65.9	68.8	71.3	76.2	76.7	78.9	80.1	80.6	81.0	81.0	81.0	81.0	81.3	81.3	81.3
≥ 900	49.7	65.9	69.1	71.7	76.6	77.1	79.2	80.6	81.0	81.5	81.5	81.5	81.5	81.8	81.8	81.8
≥ 800	50.4	67.6	71.1	73.8	79.1	79.6	81.9	83.6	84.0	85.1	85.1	85.1	85.1	85.4	85.4	85.4
≥ 700	50.7	67.9	71.4	74.5	80.6	81.0	83.4	85.2	85.8	87.0	87.0	87.0	87.0	87.2	87.3	87.3
≥ 600	50.8	68.3	71.9	75.0	81.8	82.5	85.5	87.5	88.2	89.8	89.8	89.8	89.8	90.0	90.0	90.0
≥ 500	50.9	68.4	72.1	75.4	82.8	83.8	87.0	89.3	90.0	91.6	91.6	91.6	91.6	91.7	91.8	91.8
≥ 400	50.9	68.5	72.4	75.6	83.3	84.3	88.0	90.4	91.1	92.7	92.7	92.7	92.7	93.0	93.2	93.2
≥ 300	50.9	68.5	72.4	75.6	84.0	85.0	89.0	91.7	92.7	95.0	95.0	95.0	95.0	95.4	95.7	96.0
≥ 200	50.9	68.5	72.4	75.6	84.0	85.0	89.0	91.7	92.8	95.3	96.2	96.5	96.5	97.0	97.6	97.8
≥ 100	50.9	68.5	72.4	75.6	84.0	85.0	89.0	91.8	92.9	95.6	96.4	96.8	96.8	97.4	98.2	99.3
≥ 0	50.9	68.5	72.4	75.6	84.0	85.0	89.0	91.8	92.9	95.6	96.4	96.8	96.8	97.4	98.2	99.3

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616C

HAHN AB DL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	16.8	21.5	22.4	22.5	23.2	23.3	23.6	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 20000	22.6	28.5	29.6	29.8	32.0	32.1	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 18000	22.6	28.6	29.7	30.0	32.1	32.3	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 6000	22.6	28.6	29.7	30.0	32.1	32.3	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 14000	23.1	29.8	30.9	31.2	33.3	33.5	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 12000	23.2	30.1	31.2	31.4	33.8	33.9	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
IV 10000	25.9	33.2	34.3	34.5	37.1	37.2	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 9000	26.2	34.1	35.3	35.5	38.0	38.1	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 8000	27.4	35.7	37.2	37.4	40.1	40.2	40.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 7000	28.6	37.2	38.9	39.1	41.8	41.9	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 6000	28.9	37.4	39.2	39.6	42.4	42.5	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 5000	29.5	38.0	39.8	40.2	43.3	43.4	44.5	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 4500	29.8	38.5	40.3	40.7	43.9	44.0	45.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 4000	33.1	42.5	44.5	45.1	48.5	48.7	50.4	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3500	34.8	45.4	47.5	48.1	52.0	52.2	54.3	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 3000	38.6	50.1	52.5	53.1	56.9	57.2	59.2	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 2500	43.7	56.2	58.7	59.6	63.7	63.9	66.2	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 2000	47.7	61.6	64.5	65.5	69.8	70.0	72.3	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1800	49.0	63.1	65.9	66.9	71.2	71.5	73.9	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	51.9	66.5	69.9	71.1	75.8	76.1	79.1	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IV 1200	53.1	69.1	72.8	74.5	80.4	80.7	84.1	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	53.4	69.9	73.9	75.7	82.2	82.7	86.3	87.2	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7
IV 900	53.9	70.5	74.6	76.5	83.2	83.6	87.2	88.2	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	54.2	71.0	75.3	77.5	84.4	84.8	88.4	89.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9
IV 700	54.5	71.4	75.7	78.0	85.2	85.7	89.5	90.5	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1
IV 600	54.6	71.5	76.4	78.9	86.9	87.4	91.2	92.4	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 500	54.8	71.6	76.5	79.3	88.1	88.6	92.5	93.7	94.1	94.3	94.5	94.5	94.6	94.6	94.6	94.6
IV 400	54.8	71.7	76.7	79.4	88.3	89.0	93.3	94.7	95.4	95.7	95.8	95.8	95.9	95.9	95.9	95.9
≥ 300	54.8	71.7	76.7	79.4	88.3	89.2	93.5	95.1	95.8	96.5	96.8	96.8	97.0	97.1	97.1	97.1
≥ 200	54.8	71.7	76.7	79.4	88.3	89.2	93.9	95.5	96.3	97.4	97.6	98.1	98.4	98.8	98.8	98.8
≥ 100	54.8	71.7	76.7	79.4	88.3	89.2	93.9	95.5	96.3	97.4	97.6	98.1	98.6	99.3	99.6	100.0
≥ 0	54.8	71.7	76.7	79.4	88.3	89.2	93.9	95.5	96.3	97.4	97.6	98.1	98.6	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.03	≥0.01
NO CEILING	17.2	21.8	22.5	22.8	24.1	24.2	24.6	24.6	24.6	24.6	24.8	24.8	24.8	24.8	24.8	24.8
≥ 20000	22.4	28.2	28.9	29.3	31.7	32.0	32.6	32.6	32.6	32.6	32.8	32.8	32.8	32.8	32.8	32.8
≥ 18000	22.8	28.6	29.3	29.7	32.3	32.6	33.2	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 16000	22.8	28.6	29.3	29.7	32.3	32.6	33.2	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 14000	23.1	29.2	29.9	30.3	32.9	33.2	33.8	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 12000	23.8	30.9	31.6	32.0	34.6	34.9	35.5	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 10000	25.3	32.9	33.7	34.0	36.9	37.2	38.0	38.0	38.0	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 9000	25.5	33.4	34.1	34.5	37.5	38.0	38.9	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 8000	27.0	35.4	36.1	36.6	39.8	40.3	41.4	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 7000	28.2	36.8	37.7	38.3	41.9	42.4	43.6	43.7	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 6000	28.3	36.9	37.8	38.4	42.1	42.6	43.8	43.9	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 5000	29.1	38.1	39.3	40.0	43.8	44.4	45.6	46.0	46.0	46.4	46.5	46.6	46.6	46.6	46.6	46.6
≥ 4500	30.1	39.5	40.7	41.4	45.3	45.9	47.1	47.5	47.5	47.8	47.9	48.1	48.1	48.1	48.1	48.1
≥ 4000	33.5	44.2	45.5	46.2	50.5	51.1	52.7	53.6	53.6	54.2	54.5	54.6	54.6	54.6	54.6	54.6
≥ 3500	35.2	46.6	48.2	49.0	53.5	54.1	55.7	56.7	56.7	57.4	57.6	57.7	57.7	57.7	57.7	57.7
≥ 3000	40.3	52.3	54.1	55.1	60.0	60.7	62.5	63.6	63.6	64.3	64.5	64.6	64.6	64.6	64.6	64.6
≥ 2500	43.9	56.7	58.5	59.7	65.4	66.1	67.9	69.1	69.1	70.0	70.2	70.3	70.3	70.3	70.3	70.3
≥ 2000	47.1	60.3	62.1	63.8	69.7	70.6	72.5	73.7	73.7	74.7	74.9	75.1	75.1	75.1	75.1	75.1
≥ 1800	47.3	61.0	62.8	64.5	70.6	71.4	73.5	74.8	74.8	75.9	76.2	76.3	76.3	76.3	76.3	76.3
≥ 1500	49.0	62.8	64.8	66.6	73.0	73.8	76.0	77.5	77.5	78.6	79.1	79.2	79.2	79.2	79.2	79.2
≥ 1200	50.5	65.4	67.8	70.3	77.4	78.2	80.6	82.2	82.3	83.4	83.9	84.0	84.0	84.0	84.0	84.0
≥ 1000	51.2	66.3	68.9	71.4	78.8	79.7	82.1	83.7	83.9	85.2	85.7	85.8	85.8	85.8	85.8	85.8
≥ 900	51.7	66.9	69.5	72.3	80.1	81.0	83.5	85.1	85.4	86.8	87.3	87.4	87.4	87.4	87.4	87.4
≥ 800	51.9	67.3	70.3	73.2	82.1	82.9	85.6	87.3	87.5	89.3	89.8	90.0	90.0	90.0	90.0	90.0
≥ 700	51.9	67.6	70.6	73.7	82.7	83.5	86.7	88.5	88.7	90.6	91.0	91.2	91.2	91.2	91.2	91.2
≥ 600	51.9	67.6	71.3	74.8	84.0	84.9	88.3	90.1	90.3	92.1	92.6	92.7	92.7	92.7	92.7	92.7
≥ 500	52.3	68.3	72.2	75.9	85.5	86.3	90.1	92.0	92.3	94.1	94.7	94.8	94.8	94.8	94.8	94.8
≥ 400	52.3	68.3	72.2	76.2	85.8	86.9	91.2	93.2	93.5	95.3	95.9	96.0	96.0	96.0	96.0	96.0
≥ 300	52.3	68.3	72.2	76.2	86.0	87.0	91.3	93.5	93.9	95.8	96.5	96.6	96.7	96.9	97.0	97.0
≥ 200	52.3	68.3	72.2	76.2	86.0	87.0	91.3	93.5	94.1	96.0	96.9	97.6	98.1	98.7	98.8	98.8
≥ 100	52.3	68.3	72.2	76.2	86.0	87.0	91.3	93.5	94.1	96.1	97.0	97.8	98.4	99.4	99.6	99.8
≥ 0	52.3	68.3	72.2	76.2	86.0	87.0	91.3	93.5	94.1	96.1	97.0	97.8	98.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-160
STATION

HAHN AB DL
STATION NAME

73-61
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.1	25.3	26.4	26.5	27.6	28.2	29.2	29.4	29.5	29.7	29.8	29.8	29.8	29.8	29.8	29.8
≥ 20000	24.8	29.5	30.8	30.9	32.4	33.0	33.9	34.6	34.7	34.8	34.9	34.9	34.9	34.9	34.9	34.9
≥ 18000	24.8	29.5	30.8	30.9	32.4	33.0	33.9	34.6	34.7	34.8	34.9	34.9	34.9	34.9	34.9	34.9
≥ 16000	24.9	29.5	30.8	30.9	32.4	33.0	33.9	34.6	34.7	34.8	34.9	34.9	34.9	34.9	34.9	34.9
≥ 14000	24.8	29.5	30.8	30.9	32.4	33.0	33.9	34.6	34.7	34.8	34.9	34.9	34.9	34.9	34.9	34.9
≥ 12000	25.5	30.6	32.1	32.2	33.8	34.4	35.4	36.0	36.1	36.3	36.4	36.4	36.4	36.4	36.4	36.4
≥ 10000	26.4	32.1	33.8	33.9	35.7	36.3	37.4	38.0	38.1	38.2	38.3	38.3	38.3	38.3	38.3	38.3
≥ 9000	26.9	32.6	34.3	34.4	36.6	37.2	38.3	38.9	39.1	39.2	39.3	39.3	39.3	39.3	39.3	39.3
≥ 8000	27.5	33.6	35.3	35.4	37.9	38.5	39.6	40.2	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5
≥ 7000	28.2	34.4	36.1	36.6	39.1	39.7	40.9	41.5	41.6	41.8	41.9	41.9	41.9	41.9	41.9	41.9
≥ 6000	28.2	34.6	36.3	36.8	39.2	39.8	41.0	41.6	41.8	41.9	42.0	42.0	42.0	42.0	42.0	42.0
≥ 5000	29.8	36.5	38.2	38.9	41.9	42.5	43.7	44.3	44.4	44.6	44.7	44.7	44.7	44.7	44.7	44.7
IV 4500	31.0	38.0	39.7	40.5	43.5	44.1	45.3	45.9	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3
IV 4000	33.3	41.5	43.5	44.3	48.2	49.1	50.5	51.3	51.4	51.6	51.8	51.9	51.9	51.9	51.9	51.9
IV 3500	35.8	44.7	46.8	47.6	51.6	52.5	54.3	55.1	55.2	55.6	55.9	56.0	56.0	56.0	56.0	56.0
IV 3000	39.1	49.1	51.5	52.6	57.3	58.1	60.0	60.7	60.8	61.2	61.5	61.7	61.7	61.7	61.7	61.7
IV 2500	40.9	51.2	53.8	55.1	60.6	61.5	63.4	64.1	64.2	64.6	65.0	65.1	65.1	65.1	65.1	65.1
IV 2000	43.6	54.7	57.6	59.2	64.7	65.7	67.6	68.5	68.6	69.0	69.5	69.6	69.6	69.6	69.6	69.6
IV 1800	44.6	55.8	58.7	60.3	66.5	67.5	69.8	70.7	70.8	71.2	71.7	71.8	71.8	71.8	71.8	71.8
IV 1500	45.8	57.3	60.2	62.1	68.5	69.6	72.0	73.0	73.3	73.7	74.2	74.4	74.4	74.4	74.4	74.4
IV 1200	47.7	59.1	62.3	64.7	71.8	72.9	75.5	76.4	76.7	77.2	77.7	77.8	77.8	77.8	77.8	77.8
IV 1000	47.7	60.7	64.0	66.7	74.0	75.1	77.8	78.9	79.1	79.6	80.1	80.2	80.2	80.2	80.2	80.2
IV 900	48.4	61.4	65.0	67.6	75.2	76.6	79.2	80.5	80.7	81.3	81.8	81.9	81.9	81.9	81.9	81.9
IV 800	48.5	61.9	65.9	68.7	77.0	78.4	81.1	82.3	82.5	83.5	84.0	84.1	84.1	84.1	84.1	84.1
IV 700	48.5	62.1	66.2	69.1	78.1	79.6	82.4	83.6	84.0	85.0	85.5	85.6	85.6	85.6	85.6	85.6
IV 600	49.1	63.0	67.5	70.6	80.3	81.8	85.0	86.2	86.6	87.5	88.0	88.2	88.2	88.2	88.2	88.2
IV 500	49.5	63.9	68.5	71.6	81.6	83.3	86.9	88.2	88.6	89.9	90.4	90.5	90.5	90.5	90.5	90.5
IV 400	49.6	64.0	68.7	71.9	82.8	84.2	88.8	90.0	90.5	91.9	92.4	92.7	92.7	92.7	92.7	92.7
IV 300	49.6	64.1	68.9	72.0	83.3	84.7	89.4	91.1	91.7	93.4	93.9	94.3	94.3	94.3	94.7	94.9
IV 200	49.6	64.1	68.9	72.0	83.3	84.7	89.4	91.2	92.1	94.4	95.0	95.7	96.0	96.3	96.8	96.9
IV 100	49.6	64.1	68.9	72.0	83.3	84.7	89.4	91.5	92.8	95.4	96.0	96.7	97.2	98.3	99.3	99.5
IV 0	49.6	64.1	68.9	72.0	83.3	84.7	89.4	91.7	93.0	95.6	96.2	96.9	97.4	98.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616C

HAHN AB DL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	15.6	20.4	21.4	21.7	23.2	23.4	24.3	24.7	24.8	25.2	25.2	25.2	25.2	25.3	25.3	25.4
≥ 20000	19.7	25.2	26.3	26.7	28.8	29.0	30.1	30.7	30.8	31.3	31.3	31.3	31.4	31.4	31.5	31.5
≥ 18000	19.8	25.3	26.5	26.9	29.0	29.2	30.3	30.9	31.0	31.5	31.5	31.5	31.5	31.6	31.7	31.7
≥ 16000	19.8	25.4	26.5	26.9	29.0	29.2	30.4	30.9	31.1	31.5	31.6	31.6	31.6	31.7	31.7	31.7
≥ 14000	20.0	25.7	26.8	27.2	29.3	29.6	30.7	31.2	31.4	31.9	31.9	31.9	31.9	32.0	32.1	32.1
≥ 12000	20.3	26.3	27.5	27.9	30.1	30.3	31.5	32.0	32.2	32.6	32.7	32.7	32.7	32.8	32.8	32.9
≥ 10000	21.4	27.8	29.2	29.6	32.0	32.2	33.5	34.0	34.2	34.7	34.7	34.7	34.7	34.9	34.9	34.9
≥ 9000	21.7	28.2	29.7	30.1	32.6	32.9	34.1	34.7	34.9	35.3	35.4	35.4	35.4	35.5	35.5	35.6
≥ 8000	22.9	29.8	31.3	31.9	34.4	34.7	36.1	36.7	36.9	37.4	37.5	37.5	37.5	37.6	37.6	37.7
≥ 7000	23.7	30.8	32.4	33.0	35.7	36.0	37.4	38.1	38.3	38.8	38.8	38.9	38.9	39.0	39.0	39.0
≥ 6000	23.9	31.1	32.7	33.3	36.1	36.4	37.9	38.5	38.7	39.2	39.3	39.3	39.4	39.5	39.5	39.5
≥ 5000	24.7	32.2	34.0	34.7	37.7	38.1	39.6	40.3	40.5	41.0	41.1	41.2	41.3	41.4	41.4	41.4
≥ 4500	25.4	33.1	35.0	35.8	38.8	39.1	40.6	41.3	41.6	42.1	42.2	42.3	42.3	42.4	42.5	42.5
≥ 4000	28.1	36.7	38.6	39.5	42.8	43.3	45.1	45.9	46.1	46.7	46.9	46.9	47.0	47.1	47.1	47.2
≥ 3500	29.5	38.9	41.0	41.9	45.4	45.8	47.7	48.6	48.8	49.5	49.7	49.7	49.8	50.0	50.0	50.0
≥ 3000	32.4	42.8	45.1	46.2	50.0	50.4	52.4	53.3	53.6	54.3	54.6	54.7	54.8	54.9	55.0	55.0
≥ 2500	35.4	46.5	48.9	50.3	54.4	54.9	56.9	57.9	58.2	58.9	59.2	59.2	59.4	59.5	59.5	59.6
≥ 2000	38.4	50.3	52.9	54.4	58.7	59.2	61.4	62.4	62.7	63.5	63.8	63.9	64.0	64.1	64.1	64.2
≥ 1800	39.2	51.3	53.9	55.4	60.0	60.5	62.8	63.8	64.1	64.9	65.2	65.3	65.4	65.5	65.5	65.6
≥ 1500	41.4	54.0	56.8	58.7	63.8	64.4	66.9	68.2	68.5	69.4	69.8	69.9	70.0	70.2	70.2	70.3
≥ 1200	43.5	57.1	60.2	62.6	68.6	69.2	72.0	73.3	73.7	74.6	74.9	75.1	75.2	75.4	75.4	75.5
≥ 1000	44.4	58.6	61.8	64.4	70.9	71.6	74.7	76.0	76.5	77.6	77.9	78.1	78.2	78.4	78.4	78.5
≥ 900	44.7	59.2	62.5	65.2	72.0	72.8	75.9	77.4	77.9	79.0	79.4	79.5	79.6	79.8	79.9	79.9
≥ 800	45.1	60.0	63.6	66.4	73.8	74.6	77.9	79.5	80.0	81.3	81.7	81.9	82.0	82.2	82.2	82.3
≥ 700	45.3	60.4	64.0	67.0	74.9	75.7	79.2	80.9	81.5	82.9	83.3	83.4	83.6	83.8	83.8	83.9
≥ 600	45.6	60.9	64.8	68.0	76.5	77.3	81.3	83.0	83.7	85.2	85.6	85.8	85.9	86.2	86.2	86.3
≥ 500	45.8	61.4	65.4	68.7	77.9	78.8	83.3	85.4	86.1	87.8	88.2	88.4	88.6	88.8	88.9	88.9
≥ 400	45.9	61.5	65.6	68.9	78.5	79.6	84.4	86.7	87.5	89.3	89.8	90.0	90.2	90.5	90.5	90.6
≥ 300	45.9	61.5	65.7	69.1	78.9	80.0	85.1	87.6	88.6	90.7	91.3	91.6	91.9	92.3	92.6	92.7
≥ 200	45.9	61.5	65.7	69.1	78.9	80.0	85.2	87.9	89.2	91.8	92.7	93.3	94.0	95.1	95.7	95.9
≥ 100	45.9	61.5	65.7	69.1	78.9	80.0	85.2	88.0	89.4	92.2	93.1	93.9	94.8	96.8	98.3	99.4
≥ 0	45.9	61.5	65.7	69.1	78.9	80.0	85.2	88.0	89.4	92.3	93.1	93.9	94.9	96.9	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6163
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	34.4	42.6	44.2	45.0	47.2	47.3	47.8	48.2	48.5	48.5	48.7	48.7	48.7	48.8	48.8	48.8
≥ 20000	36.4	44.9	46.5	47.2	49.4	49.6	50.1	50.7	50.9	50.9	51.2	51.2	51.2	51.3	51.3	51.3
IV 18000	36.7	45.4	47.1	47.8	50.1	50.2	50.7	51.3	51.5	51.5	51.8	51.8	51.8	51.9	51.9	51.9
IV 16000	36.7	45.4	47.3	48.1	50.3	50.4	50.9	51.5	51.8	51.8	52.0	52.0	52.0	52.2	52.2	52.2
IV 14000	36.7	45.5	47.5	48.2	50.4	50.6	51.1	51.7	51.9	51.9	52.2	52.2	52.2	52.3	52.3	52.3
IV 12000	36.9	45.8	47.8	48.6	50.9	51.1	51.5	52.2	52.4	52.4	52.7	52.7	52.7	52.8	52.8	52.8
IV 10000	37.8	46.8	48.9	49.7	52.2	52.3	52.8	53.5	53.8	53.8	54.0	54.0	54.0	54.2	54.2	54.2
IV 9000	38.0	47.3	49.4	50.2	52.7	52.8	53.3	54.0	54.3	54.4	54.6	54.6	54.6	54.8	54.8	54.8
IV 8000	38.7	48.1	50.2	51.1	53.5	53.7	54.5	55.4	55.6	55.8	56.0	56.0	56.0	56.1	56.1	56.1
IV 7000	39.4	48.8	50.9	52.0	54.6	54.8	55.6	56.5	56.8	56.9	57.1	57.1	57.1	57.2	57.2	57.2
IV 6000	39.5	49.3	51.4	52.5	55.1	55.3	56.1	57.0	57.2	57.4	57.6	57.6	57.6	57.7	57.7	57.7
IV 5000	40.1	50.3	52.4	53.5	56.4	56.5	57.4	58.2	58.5	58.6	58.9	58.9	58.9	59.0	59.0	59.0
IV 4500	40.5	50.8	52.9	54.0	56.9	57.0	57.9	58.7	59.0	59.1	59.4	59.4	59.4	59.5	59.5	59.5
IV 4000	43.1	54.8	57.1	58.5	61.6	61.7	62.6	63.6	63.8	63.9	64.2	64.2	64.2	64.3	64.3	64.3
IV 3500	46.7	59.7	62.2	63.6	66.7	66.8	67.7	68.6	68.9	69.0	69.3	69.3	69.3	69.4	69.4	69.4
IV 3000	49.6	64.1	66.9	68.3	71.7	71.9	72.9	74.0	74.2	74.3	74.6	74.7	74.7	74.8	74.8	74.8
IV 2500	50.6	66.4	69.3	70.8	74.8	75.0	76.0	77.1	77.3	77.4	77.7	77.8	77.8	77.9	77.9	77.9
IV 2000	51.7	68.2	71.5	73.4	77.4	77.6	78.6	79.7	79.9	80.0	80.3	80.4	80.4	80.5	80.5	80.5
IV 1800	52.0	68.9	72.2	74.1	78.2	78.3	79.3	80.4	80.7	80.8	81.0	81.2	81.2	81.3	81.3	81.3
IV 1500	52.2	70.0	73.4	75.2	79.8	79.9	81.0	82.2	82.4	82.5	82.8	82.9	82.9	83.0	83.0	83.0
IV 1200	52.4	70.8	74.5	76.5	81.8	81.9	83.0	84.1	84.4	84.5	84.8	84.9	84.9	85.0	85.0	85.0
IV 1000	52.5	70.9	74.7	77.0	82.4	82.5	83.8	84.9	85.1	85.3	85.5	85.6	85.6	85.7	85.7	85.7
IV 900	52.5	71.0	74.8	77.1	82.9	83.0	84.3	85.4	85.6	85.7	86.0	86.1	86.1	86.2	86.2	86.2
IV 800	52.5	71.4	75.5	78.2	84.0	84.1	85.4	86.9	87.1	87.2	87.5	87.6	87.6	87.7	87.7	87.7
IV 700	52.5	71.5	75.6	78.4	84.3	84.4	85.6	87.1	87.4	87.5	87.7	87.9	87.9	88.0	88.0	88.0
IV 600	52.5	71.9	76.0	78.8	85.3	85.5	87.0	88.5	88.7	88.8	89.1	89.2	89.2	89.3	89.3	89.3
IV 500	52.5	72.0	76.2	79.1	85.5	85.7	87.4	88.8	89.1	89.3	89.6	89.7	89.7	89.8	89.8	89.8
IV 400	52.5	72.2	76.5	79.3	86.5	86.9	88.6	90.1	90.3	91.0	91.3	91.4	91.4	91.6	91.6	91.6
IV 300	52.7	72.4	76.6	79.4	87.2	87.7	89.6	91.2	91.4	92.2	92.6	92.9	92.9	93.1	93.1	93.1
IV 200	52.7	72.4	76.6	79.4	87.5	88.0	90.5	92.2	92.7	93.7	94.3	94.8	95.0	95.5	95.5	95.7
IV 100	52.7	72.4	76.6	79.4	87.5	88.0	90.5	92.2	92.9	94.4	95.0	95.5	95.8	96.9	97.5	98.9
IV 0	52.7	72.4	76.6	79.4	87.5	88.0	90.5	92.2	92.9	94.4	95.0	95.5	95.8	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16163
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

APR
MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	25.9	33.7	36.6	37.3	39.1	39.2	40.1	40.8	41.1	41.6	41.7	41.7	41.7	41.8	41.8	41.8
≥ 20000	28.3	36.5	39.3	40.2	42.1	42.2	43.1	44.2	44.4	45.2	45.3	45.3	45.3	45.4	45.4	45.4
≥ 18000	28.3	36.7	39.6	40.4	42.3	42.4	43.3	44.4	44.7	45.4	45.5	45.5	45.5	45.7	45.7	45.7
≥ 16000	28.3	37.0	40.0	40.8	42.7	42.8	43.7	44.8	45.0	45.8	45.9	45.9	45.9	46.0	46.0	46.0
≥ 14000	28.4	37.1	40.2	41.1	43.1	43.2	44.0	45.2	45.4	46.2	46.3	46.3	46.3	46.4	46.4	46.4
≥ 12000	28.5	37.2	40.3	41.2	43.2	43.3	44.2	45.3	45.5	46.3	46.4	46.4	46.4	46.5	46.5	46.5
≥ 10000	28.9	37.6	40.7	41.6	43.5	43.7	44.5	45.8	46.0	46.8	46.9	46.9	46.9	47.0	47.0	47.0
≥ 9000	29.3	38.0	41.2	42.1	44.0	44.2	45.0	46.4	46.7	47.4	47.5	47.5	47.6	47.8	47.8	47.8
≥ 8000	30.0	38.7	42.1	42.9	44.9	45.0	45.9	47.4	47.6	48.4	48.5	48.5	48.6	48.8	48.8	48.8
≥ 7000	30.0	38.7	42.1	43.1	45.2	45.3	46.2	47.8	48.0	48.8	48.9	48.9	49.0	49.1	49.1	49.1
≥ 6000	30.0	38.7	42.1	43.2	45.3	45.4	46.3	47.9	48.1	48.9	49.0	49.0	49.1	49.3	49.3	49.3
≥ 5000	30.5	40.1	43.5	44.7	47.1	47.3	48.1	49.9	50.2	51.0	51.1	51.1	51.2	51.4	51.4	51.4
≥ 4500	31.5	41.2	44.8	45.9	48.6	48.8	49.6	51.6	52.0	52.7	52.9	52.9	53.0	53.1	53.1	53.1
≥ 4000	33.5	43.9	47.8	49.3	52.1	52.2	53.3	55.3	55.7	56.5	56.6	56.6	56.7	56.8	56.8	56.8
≥ 3500	36.2	47.3	51.2	52.9	56.1	56.3	57.7	59.7	60.0	60.8	60.9	60.9	61.0	61.2	61.2	61.2
≥ 3000	36.3	50.1	54.6	56.7	60.4	60.7	62.2	64.6	65.0	65.8	65.9	65.9	66.0	66.1	66.1	66.1
≥ 2500	39.6	52.5	57.3	59.8	63.9	64.1	65.6	68.1	68.5	69.4	69.5	69.5	69.6	69.7	69.9	69.9
≥ 2000	40.1	54.3	59.2	62.3	66.5	66.7	68.2	70.8	71.2	72.2	72.3	72.3	72.5	72.6	72.7	72.7
≥ 1800	40.8	55.7	60.5	63.6	67.9	68.1	69.6	72.2	72.6	73.6	73.7	73.7	73.8	73.9	74.1	74.1
≥ 1500	41.2	56.8	61.9	65.5	70.1	70.3	72.1	74.8	75.2	76.2	76.3	76.3	76.4	76.6	76.7	76.7
≥ 1200	41.6	57.6	63.0	67.0	72.5	72.7	74.8	77.5	77.9	78.9	79.0	79.0	79.2	79.3	79.4	79.4
≥ 1000	41.7	58.2	63.6	67.7	73.4	73.7	76.1	78.8	79.2	80.1	80.3	80.3	80.4	80.5	80.6	80.6
≥ 900	41.8	58.7	64.1	68.2	74.2	74.4	76.9	79.7	80.0	81.0	81.1	81.1	81.3	81.4	81.5	81.5
≥ 800	41.9	59.8	65.4	70.1	76.3	76.6	79.2	82.3	82.6	83.6	83.9	83.9	84.0	84.1	84.2	84.2
≥ 700	41.9	59.9	65.8	70.5	76.9	77.2	79.8	83.0	83.4	84.4	84.6	84.6	84.7	84.9	85.0	85.0
≥ 600	41.9	60.3	66.4	71.1	77.5	78.2	80.9	84.5	85.1	86.2	86.5	86.5	86.6	86.7	86.8	86.8
≥ 500	42.1	63.8	67.0	71.7	78.5	79.2	82.3	85.9	86.6	88.0	88.2	88.2	88.3	88.5	88.6	88.6
≥ 400	42.1	60.8	67.0	71.8	78.9	79.7	83.1	86.8	87.8	89.3	89.6	89.8	90.0	90.1	90.2	90.2
≥ 300	42.1	60.8	67.0	72.0	80.1	80.9	84.5	88.2	89.2	91.1	91.3	91.8	92.1	92.2	92.3	92.3
≥ 200	42.1	60.9	67.1	72.1	80.3	81.1	84.9	89.2	90.3	92.6	92.8	93.8	94.4	94.8	95.4	95.4
≥ 100	42.1	60.9	67.1	72.1	80.3	81.1	85.5	90.0	91.3	93.8	94.0	95.0	95.9	96.5	97.4	99.1
≥ 0	42.1	60.9	67.1	72.1	80.3	81.1	85.5	90.0	91.3	93.8	94.0	95.0	95.9	96.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 806

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	19.5	25.8	29.0	29.5	33.0	33.1	34.9	35.4	35.6	36.3	36.7	36.7	36.7	37.3	37.3	37.3
≥ 20000	21.1	27.9	31.5	32.1	36.1	36.2	38.3	38.8	39.0	40.1	40.5	40.5	40.6	41.3	41.3	41.4
IV 18000	21.3	28.5	32.1	32.7	36.7	36.8	38.9	39.4	39.7	40.8	41.1	41.1	41.3	41.9	41.9	42.0
IV 16000	21.3	28.5	32.2	32.8	36.8	36.9	39.0	39.5	39.8	40.9	41.3	41.3	41.4	42.0	42.0	42.1
IV 14000	21.3	28.5	32.2	32.8	37.1	37.2	39.4	39.9	40.1	41.3	41.6	41.6	41.8	42.4	42.4	42.5
IV 12000	21.6	28.7	32.5	33.1	37.3	37.4	39.7	40.1	40.4	41.5	41.9	41.9	42.0	42.6	42.6	42.8
IV 10000	22.9	30.2	34.0	34.6	38.8	38.9	41.1	41.6	41.9	43.1	43.5	43.5	43.6	44.4	44.4	44.5
IV 9000	23.0	30.5	34.2	34.9	39.2	39.3	41.5	42.0	42.3	43.5	43.9	43.9	44.0	44.7	44.7	44.9
IV 8000	23.7	31.5	35.3	36.1	40.3	40.4	42.8	43.2	43.6	45.0	45.4	45.4	45.5	46.2	46.2	46.5
IV 7000	23.9	31.8	35.7	36.4	40.6	40.8	43.1	43.6	44.0	45.4	45.7	45.7	45.8	46.6	46.6	46.8
IV 6000	23.9	31.8	35.7	36.6	40.8	40.9	43.2	43.7	44.1	45.6	46.0	46.0	46.1	46.8	46.8	47.1
IV 5000	24.5	32.7	36.9	37.8	42.0	42.1	44.5	45.0	45.4	47.0	47.3	47.3	47.5	48.2	48.2	48.5
IV 4500	24.7	33.0	37.4	38.3	42.6	42.8	45.1	45.7	46.1	47.7	48.1	48.1	48.2	48.9	48.9	49.2
IV 4000	26.3	35.4	39.9	40.8	45.5	45.6	48.2	49.2	49.6	51.2	51.7	51.8	51.9	52.7	52.7	52.9
IV 3500	27.9	38.2	43.0	43.9	48.7	48.8	51.4	52.5	53.0	54.6	55.1	55.3	55.4	56.1	56.3	56.5
IV 3000	29.0	40.4	45.4	46.5	51.4	51.5	54.5	55.6	56.3	58.4	59.1	59.2	59.5	60.2	60.3	60.6
IV 2500	30.2	42.0	47.1	48.2	53.3	53.4	56.5	57.7	58.4	60.5	61.2	61.3	61.6	62.5	62.6	62.8
IV 2000	30.4	42.6	47.7	48.9	54.3	54.4	57.5	59.0	59.6	61.7	62.5	62.6	62.8	63.7	63.8	64.1
IV 1800	30.7	43.2	48.5	49.7	55.5	55.6	58.9	60.3	61.0	63.1	63.8	63.9	64.2	65.1	65.2	65.4
IV 1500	31.4	44.6	49.9	51.7	58.5	58.7	62.1	63.9	64.6	66.7	67.4	67.5	67.8	68.6	68.8	69.0
IV 1200	31.8	46.0	51.4	53.2	60.5	60.8	64.2	66.4	67.0	69.4	70.1	70.3	70.5	71.4	71.5	71.7
IV 1000	32.0	46.5	52.0	53.9	61.8	62.2	65.9	68.2	68.9	71.3	72.0	72.1	72.4	73.2	73.4	73.6
IV 900	32.1	46.6	52.2	54.2	62.3	62.7	66.7	68.9	69.6	72.0	72.7	72.9	73.1	74.0	74.1	74.3
IV 800	32.2	46.7	52.4	54.5	63.3	63.7	68.2	70.9	71.6	74.0	74.7	74.8	75.1	76.1	76.2	76.5
IV 700	32.2	47.2	52.9	55.0	64.1	64.4	69.0	71.9	72.6	75.0	75.7	75.8	76.1	77.1	77.2	77.4
IV 600	32.6	47.8	53.7	56.0	65.8	66.4	71.6	74.5	75.5	78.2	78.9	79.1	79.3	80.3	80.4	80.7
IV 500	32.6	48.1	54.0	56.5	66.9	67.7	73.7	77.1	78.4	81.3	82.0	82.3	82.5	83.5	83.6	83.9
IV 400	32.6	48.1	54.0	56.6	67.4	68.2	74.7	78.4	79.8	82.9	83.9	84.5	84.8	86.1	86.4	86.6
IV 300	32.6	48.2	54.2	57.0	68.2	68.9	75.6	79.4	81.0	84.8	85.7	86.6	86.9	88.8	89.1	89.6
IV 200	32.6	48.2	54.2	57.0	68.2	68.9	75.6	79.8	81.9	86.4	87.6	89.1	89.7	92.1	93.2	93.9
IV 100	32.6	48.2	54.2	57.0	68.2	68.9	75.6	80.0	82.2	86.9	88.1	90.0	90.7	94.1	96.2	98.6
IV 0	32.6	48.2	54.2	57.0	68.2	68.9	75.6	80.0	82.2	86.9	88.1	90.0	90.7	94.1	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.8	27.8	30.0	30.7	33.5	33.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000	26.2	33.5	35.6	37.0	40.0	40.3	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	26.4	34.3	36.4	37.7	40.7	41.1	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	26.4	34.5	36.6	38.0	41.0	41.3	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	26.4	34.7	36.8	38.1	41.1	41.5	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 12000	27.0	35.4	37.5	38.9	41.8	42.2	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 10000	27.7	36.1	38.4	39.7	42.7	43.1	44.6	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.9	45.0
≥ 9000	28.0	36.5	38.7	40.1	43.1	43.4	44.9	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.3	45.4
≥ 8000	29.3	38.5	40.7	42.2	45.5	45.9	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.8	47.9
≥ 7000	29.7	39.0	41.2	42.7	46.0	46.4	48.0	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.5	48.6
≥ 6000	29.7	39.0	41.2	42.7	46.0	46.4	48.0	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.5	48.6
≥ 5000	30.0	39.4	41.6	43.1	46.4	46.8	48.6	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.3
≥ 4500	30.7	40.1	42.3	43.8	47.3	47.6	49.5	49.8	49.8	49.9	49.9	49.9	49.9	49.9	50.0	50.1
≥ 4000	31.9	42.6	44.9	46.4	49.9	50.2	52.4	52.6	52.6	52.8	53.1	53.1	53.1	53.2	53.2	53.3
≥ 3500	32.8	43.8	46.2	47.6	51.6	52.0	54.3	54.6	54.6	54.8	55.1	55.1	55.1	55.2	55.2	55.3
≥ 3000	34.3	46.5	49.0	50.5	54.5	54.8	57.3	57.5	57.5	57.8	58.0	58.0	58.0	58.2	58.2	58.4
≥ 2500	35.3	48.4	51.2	52.7	56.8	57.3	59.8	60.0	60.0	60.3	60.5	60.5	60.5	60.6	60.6	60.9
≥ 2000	37.7	52.4	55.4	57.2	61.5	62.0	64.5	65.1	65.1	65.5	65.7	65.7	65.7	65.8	65.8	66.1
≥ 1800	38.7	54.1	57.2	58.9	63.2	63.7	66.2	66.8	66.8	67.2	67.5	67.5	67.5	67.6	67.6	67.8
≥ 1500	40.5	57.4	60.9	63.2	67.9	68.4	71.3	72.0	72.0	72.5	72.8	72.8	72.8	72.9	72.9	73.1
≥ 1200	41.5	59.2	63.1	65.8	71.5	72.0	74.9	75.7	76.0	76.5	76.7	76.7	76.7	76.9	76.9	77.1
≥ 1000	42.0	60.0	64.0	67.1	73.0	73.5	76.7	77.6	77.8	78.6	78.8	78.8	78.8	79.0	79.0	79.2
≥ 900	42.1	60.4	64.4	67.5	73.8	74.3	77.7	78.6	78.8	79.6	79.8	79.8	79.8	80.0	80.0	80.2
≥ 800	42.8	61.3	65.7	69.2	75.5	76.1	80.1	81.4	81.7	82.5	82.8	82.8	82.8	82.9	82.9	83.2
≥ 700	42.8	61.5	66.1	69.7	76.5	77.1	81.4	83.4	83.8	84.8	85.0	85.0	85.0	85.1	85.1	85.4
≥ 600	42.9	62.1	66.7	70.3	77.4	78.0	82.7	84.7	85.0	86.3	86.5	86.5	86.5	86.8	86.8	87.0
≥ 500	43.3	62.6	67.2	70.9	78.6	79.2	84.3	86.3	86.6	88.4	88.7	88.7	88.7	89.0	89.0	89.4
≥ 400	43.3	62.7	67.3	71.2	79.0	79.6	84.8	87.0	87.6	90.0	90.5	90.5	90.8	91.2	91.3	91.7
≥ 300	43.4	62.9	67.5	71.7	80.0	80.8	86.3	88.7	89.7	92.3	92.8	92.9	93.3	93.7	93.9	94.6
≥ 200	43.4	62.9	67.5	71.7	80.0	80.8	86.4	88.9	90.3	93.6	94.1	94.4	95.0	95.8	96.0	96.7
≥ 100	43.4	62.9	67.5	71.7	80.0	80.8	86.4	88.9	90.5	93.8	94.3	94.9	95.7	97.4	97.8	98.8
≥ 0	43.4	62.9	67.5	71.7	80.0	80.8	86.4	88.9	90.5	93.8	94.3	94.9	95.7	97.5	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 808

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	23.0	28.1	29.3	30.0	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000	27.4	34.2	35.4	36.4	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0
≥ 18000	27.5	34.6	35.8	36.8	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4
≥ 16000	27.5	34.9	36.2	37.2	37.7	37.7	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000	27.5	35.1	36.3	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9
≥ 12000	28.0	35.7	36.9	37.9	38.4	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5
≥ 10000	28.5	36.7	37.9	38.9	39.4	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5
≥ 9000	28.8	37.0	38.3	39.3	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9
≥ 8000	29.5	37.9	39.1	40.1	40.7	40.7	40.7	40.7	40.7	40.7	40.9	40.9	40.9	40.9	40.9	40.9
≥ 7000	30.1	38.8	40.0	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7
≥ 6000	30.2	38.9	40.1	41.1	41.7	41.7	41.7	41.7	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9
≥ 5000	31.0	39.9	41.1	42.3	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2
≥ 4500	32.3	41.2	42.5	43.7	44.6	44.6	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8
≥ 4000	35.9	46.4	47.8	49.4	50.5	50.5	50.7	50.7	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9
≥ 3500	38.5	49.8	51.4	53.1	54.2	54.2	54.4	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6
≥ 3000	43.2	56.0	57.7	59.5	60.7	60.7	61.1	61.2	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5
≥ 2500	48.0	62.6	64.6	66.4	67.7	67.7	68.3	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2000	51.5	67.7	70.2	72.1	73.5	73.5	74.4	74.6	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9
≥ 1800	52.5	68.9	71.6	73.5	74.8	74.8	75.8	76.0	76.0	76.2	76.3	76.3	76.3	76.4	76.4	76.4
≥ 1500	54.8	72.5	75.6	77.4	79.4	79.4	80.5	80.9	81.0	81.1	81.2	81.2	81.2	81.4	81.4	81.4
≥ 1200	56.5	74.7	78.0	80.4	82.7	82.7	84.3	84.7	84.8	84.9	85.1	85.1	85.1	85.2	85.2	85.2
≥ 1000	57.0	75.9	79.3	81.7	84.2	84.2	85.9	86.3	86.4	86.7	86.8	86.8	86.8	86.9	86.9	86.9
≥ 900	57.2	76.2	79.5	82.1	84.6	84.6	86.3	86.7	86.8	87.0	87.2	87.2	87.2	87.3	87.3	87.3
≥ 800	57.2	76.4	79.9	82.7	85.8	85.9	88.0	89.0	89.3	89.5	89.6	89.6	89.6	89.8	89.8	89.8
≥ 700	57.2	76.5	80.1	83.0	86.4	86.7	88.9	89.9	90.1	90.4	90.6	90.6	90.6	90.7	90.7	90.7
≥ 600	57.2	76.5	80.2	83.2	87.4	87.8	90.0	91.2	91.5	91.7	92.0	92.0	92.0	92.1	92.1	92.1
≥ 500	57.3	76.7	80.4	83.3	88.0	88.4	90.9	92.1	92.3	93.0	93.3	93.3	93.3	93.8	93.8	93.8
≥ 400	57.3	76.7	80.4	83.7	88.6	89.1	91.6	92.8	93.1	93.8	94.2	94.2	94.2	94.8	94.8	94.8
≥ 300	57.3	76.7	80.4	83.8	88.8	89.4	92.0	93.3	93.7	94.9	95.4	95.6	95.6	96.3	96.3	96.4
≥ 200	57.3	76.7	80.4	84.0	88.9	89.5	92.2	93.8	94.4	95.9	96.5	96.7	96.8	97.9	97.9	98.1
≥ 100	57.3	76.7	80.4	84.0	88.9	89.5	92.2	93.8	94.6	96.0	96.7	96.8	97.2	98.8	98.8	99.3
≥ 0	57.3	76.7	80.4	84.0	88.9	89.5	92.2	93.8	94.6	96.0	96.7	96.8	97.2	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616C
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.0	29.6	30.2	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000	30.9	36.2	36.9	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IV 18000	31.0	36.5	37.4	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 16000	31.1	37.2	38.0	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 14000	31.2	37.7	38.5	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 12000	31.5	38.3	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 10000	32.6	39.5	40.7	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 9000	33.2	40.2	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 8000	34.6	42.6	43.8	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 7000	35.9	45.3	46.5	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 6000	35.9	45.4	46.7	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 5000	37.3	47.3	48.5	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 4500	39.5	49.5	51.7	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 4000	44.1	56.0	57.4	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 3500	47.8	61.0	62.3	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 3000	51.4	64.9	66.5	67.2	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 2500	55.6	70.5	72.2	73.0	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2000	58.3	74.2	75.9	76.9	78.5	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 1800	58.8	75.2	76.9	77.9	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 1500	60.4	77.3	79.3	80.5	82.6	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 1200	62.3	79.3	81.5	82.8	85.6	85.7	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	62.5	80.6	83.2	84.8	87.5	87.7	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
IV 900	62.5	80.6	83.2	84.8	87.7	87.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	62.7	81.1	83.8	85.7	89.1	89.3	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
IV 700	62.7	81.1	83.8	86.7	90.4	90.5	92.1	92.2	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5
IV 600	62.7	81.4	84.1	87.5	91.4	91.5	93.1	93.2	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	62.7	81.4	84.1	87.5	92.3	92.5	94.3	94.4	94.4	94.7	94.8	94.8	94.8	95.1	95.1	95.1
IV 400	62.7	81.4	84.1	87.8	92.6	92.7	94.6	94.7	94.8	95.2	95.3	95.4	95.4	95.7	95.7	95.7
IV 300	62.7	81.4	84.1	88.0	93.0	93.1	95.2	95.3	95.4	96.0	96.4	96.5	96.5	97.0	97.0	97.2
IV 200	62.7	81.4	84.1	88.0	93.0	93.1	95.2	95.4	95.6	96.4	96.8	96.9	97.0	97.9	98.0	98.4
IV 100	62.7	81.4	84.1	88.0	93.0	93.1	95.2	95.4	95.6	96.4	96.8	96.9	97.0	97.8	98.6	99.6
IV 0	62.7	81.4	84.1	88.0	93.0	93.1	95.2	95.4	95.6	96.4	96.8	96.9	97.0	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	32.0	36.1	36.8	37.2	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	38.1	44.6	45.5	45.9	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	38.3	45.1	46.0	46.4	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000	38.4	45.5	46.4	46.7	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 14000	38.4	45.9	46.7	47.1	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 12000	39.2	46.8	47.7	48.1	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	40.3	48.3	49.2	49.6	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	40.7	48.7	49.6	49.9	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 8000	43.0	51.7	52.5	52.9	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	44.0	53.0	53.9	54.4	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	44.3	53.4	54.3	54.9	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 5000	46.5	56.2	57.1	57.7	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4500	48.0	58.2	59.1	59.7	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4000	51.4	63.4	64.5	65.1	67.0	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	54.6	68.1	69.5	70.1	72.1	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3000	56.7	71.4	73.2	73.9	75.9	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	58.6	73.5	75.4	76.1	78.1	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	59.8	75.4	77.3	78.1	80.2	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	60.1	76.3	78.2	79.2	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	61.6	78.1	80.2	81.3	83.9	83.9	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	62.2	79.0	81.3	82.8	86.3	86.3	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	63.2	80.2	82.7	84.3	87.9	87.9	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 900	63.2	80.2	82.7	84.3	88.0	88.0	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	63.5	80.7	83.2	85.3	89.5	89.5	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	63.5	80.7	83.2	85.4	89.9	89.9	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	63.7	80.8	83.3	85.5	90.1	90.1	91.7	91.8	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	63.7	81.1	83.6	85.8	90.7	90.7	92.3	92.5	92.5	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	63.8	81.2	83.7	85.9	90.9	90.9	92.7	92.8	92.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9
≥ 300	63.8	81.2	83.7	85.9	91.0	91.0	92.8	93.4	93.6	94.8	94.9	95.1	95.2	95.4	95.4	95.4
≥ 200	63.8	81.2	83.7	85.9	91.2	91.2	93.2	93.8	94.1	95.7	95.8	95.9	96.3	96.7	96.7	96.9
≥ 100	63.8	81.2	83.7	85.9	91.2	91.2	93.2	93.8	94.2	96.2	96.3	96.5	97.0	98.5	98.9	99.3
≥ 0	63.8	81.2	83.7	85.9	91.2	91.2	93.2	93.8	94.2	96.2	96.3	96.5	97.0	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	34.4	40.7	42.0	42.6	43.4	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.8	43.8
≥ 20000	40.8	48.3	49.9	50.7	51.8	51.8	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3
IV 18000	41.5	49.1	50.7	51.4	52.5	52.5	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0
IV 16000	41.5	49.4	51.1	51.8	52.9	52.9	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4
IV 14000	41.7	49.6	51.2	51.9	53.0	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5
IV 12000	42.0	50.1	51.7	52.4	53.5	53.5	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0
IV 10000	42.8	51.5	53.2	53.9	55.0	55.0	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5
IV 9000	43.0	52.0	53.6	54.4	55.5	55.5	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.4	56.4
IV 8000	44.1	54.1	55.7	56.7	58.0	58.0	58.6	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2
IV 7000	44.5	54.5	56.1	57.4	58.7	58.7	59.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8	60.0	60.0
IV 6000	44.5	54.6	56.2	57.5	59.0	59.0	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2
IV 5000	45.5	55.9	57.6	58.8	60.3	60.3	60.9	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.6	61.6
IV 4500	46.2	56.9	58.6	59.8	61.4	61.4	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.7	62.7
IV 4000	49.4	62.3	64.0	65.3	67.5	67.5	68.1	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7
IV 3500	52.7	67.1	69.0	70.2	72.7	72.7	73.3	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9
IV 3000	54.5	70.5	72.6	73.8	76.4	76.4	77.0	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6
IV 2500	54.8	72.2	74.3	75.6	78.2	78.2	79.0	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
IV 2000	56.1	74.4	76.8	78.1	80.7	80.7	81.6	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3
IV 1800	56.2	74.8	77.1	78.5	81.1	81.1	82.0	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
IV 1500	56.6	76.0	78.5	79.9	82.8	82.8	83.7	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4
IV 1200	57.5	77.3	79.9	81.5	85.0	85.0	85.9	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.7	86.7
IV 1000	57.8	77.9	80.7	82.7	86.5	86.5	87.4	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1
IV 900	58.0	78.0	80.8	82.8	86.7	86.7	87.5	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.3
IV 800	58.1	78.2	81.3	83.3	87.9	87.9	89.0	89.7	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0
IV 700	58.2	78.5	81.6	83.7	88.3	88.3	89.4	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.4
IV 600	58.2	78.7	81.8	83.9	89.0	89.0	90.4	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.5	91.5
IV 500	58.2	78.7	81.8	84.1	89.5	89.5	91.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2
IV 400	58.2	78.9	82.0	84.2	90.0	90.0	91.7	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.6	93.6
IV 300	58.2	78.9	82.0	84.2	90.4	90.5	92.2	93.6	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4
IV 200	58.2	78.9	82.0	84.2	90.5	90.7	93.0	94.3	95.1	95.3	95.3	95.3	95.3	95.7	96.2	96.2
IV 100	58.2	78.9	82.0	84.2	90.5	90.7	93.0	94.3	95.3	95.7	95.7	95.7	95.7	95.7	96.2	96.2
IV 0	58.2	78.9	82.0	84.2	90.5	90.7	93.0	94.3	95.3	95.7	95.7	95.7	95.7	95.7	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

APR

ALL
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING	27.3	33.1	34.8	35.3	36.9	37.0	37.6	37.8	37.8	38.0	38.1	38.1	38.1	38.1	38.2	38.2
≥ 20000	31.1	38.3	40.1	40.8	42.6	42.7	43.3	43.6	43.7	44.0	44.1	44.1	44.1	44.2	44.2	44.2
IV 18000	31.3	38.8	40.6	41.4	43.1	43.2	43.9	44.2	44.3	44.5	44.6	44.6	44.6	44.8	44.8	44.8
IV 16000	31.4	39.1	41.0	41.7	43.5	43.6	44.2	44.5	44.6	44.8	45.0	45.0	45.0	45.1	45.1	45.1
IV 14000	31.5	39.2	41.2	41.9	43.7	43.8	44.5	44.8	44.9	45.1	45.2	45.2	45.2	45.4	45.4	45.4
IV 12000	31.8	39.8	41.7	42.5	44.3	44.4	45.1	45.4	45.5	45.7	45.8	45.8	45.8	45.9	45.9	45.9
IV 10000	32.7	40.9	42.9	43.6	45.4	45.5	46.2	46.6	46.6	46.9	47.0	47.0	47.0	47.2	47.2	47.2
IV 9000	33.0	41.3	43.3	44.1	45.9	46.0	46.7	47.1	47.2	47.4	47.6	47.6	47.6	47.7	47.7	47.8
IV 8000	34.1	42.9	44.9	45.7	47.7	47.8	48.6	49.0	49.2	49.5	49.6	49.6	49.6	49.8	49.8	49.8
IV 7000	34.7	43.8	45.8	46.7	48.7	48.8	49.6	50.1	50.2	50.5	50.6	50.6	50.6	50.9	50.9	50.9
IV 6000	34.8	43.9	46.0	46.9	48.9	49.0	49.9	50.3	50.4	50.8	50.9	50.9	50.9	51.1	51.1	51.1
IV 5000	35.7	45.2	47.4	48.3	50.4	50.5	51.4	51.9	52.0	52.3	52.4	52.4	52.4	52.6	52.6	52.7
IV 4500	36.7	46.4	48.5	49.5	51.7	51.8	52.7	53.2	53.4	53.7	53.8	53.8	53.8	54.0	54.0	54.0
IV 4000	39.5	50.6	52.9	54.0	56.5	56.6	57.6	58.2	58.3	58.7	58.8	58.8	58.8	59.0	59.0	59.1
IV 3500	42.2	54.4	56.9	58.0	60.7	60.8	61.9	62.5	62.6	63.0	63.1	63.1	63.2	63.3	63.3	63.4
IV 3000	44.6	58.0	60.7	62.0	64.9	65.0	66.2	66.9	67.1	67.5	67.7	67.7	67.7	67.9	67.9	68.0
IV 2500	46.6	61.0	63.9	65.3	68.4	68.5	69.8	70.5	70.6	71.1	71.2	71.3	71.3	71.5	71.5	71.6
IV 2000	48.2	63.7	66.8	68.4	71.6	71.7	73.8	73.8	74.0	74.5	74.7	74.7	74.7	74.9	75.0	75.0
IV 1800	48.7	64.6	67.8	69.4	72.7	72.8	74.2	75.0	75.2	75.6	75.8	75.9	75.9	76.1	76.1	76.2
IV 1500	49.8	66.6	70.0	71.9	75.6	75.8	77.3	78.2	78.4	78.9	79.1	79.1	79.2	79.4	79.4	79.4
IV 1200	50.7	68.0	71.6	73.8	78.2	78.4	80.1	81.1	81.3	81.8	82.0	82.1	82.1	82.3	82.3	82.4
IV 1000	51.1	68.8	72.5	74.9	79.6	79.8	81.6	82.6	82.9	83.5	83.7	83.7	83.7	83.9	83.9	84.0
IV 900	51.2	69.0	72.7	75.1	80.0	80.2	82.1	83.1	83.4	83.9	84.1	84.2	84.2	84.4	84.4	84.5
IV 800	51.4	69.5	73.4	76.1	81.4	81.6	83.9	85.3	85.5	86.1	86.3	86.3	86.4	86.6	86.6	86.7
IV 700	51.4	69.6	73.6	76.6	82.1	82.3	84.7	86.2	86.4	87.0	87.3	87.3	87.3	87.6	87.6	87.6
IV 600	51.5	70.0	74.0	77.1	83.0	83.3	85.9	87.5	87.8	88.5	88.8	88.8	88.8	89.1	89.1	89.1
IV 500	51.6	70.2	74.3	77.4	83.8	84.1	87.0	88.6	89.0	90.0	90.3	90.3	90.4	90.7	90.7	90.8
IV 400	51.6	70.3	74.4	77.6	84.2	84.6	87.7	89.5	89.9	91.2	91.5	91.7	91.8	92.1	92.2	92.3
IV 300	51.6	70.3	74.4	77.8	84.8	85.3	88.5	90.4	91.0	92.6	92.9	93.2	93.4	93.9	94.0	94.1
IV 200	51.6	70.3	74.4	77.8	84.9	85.4	88.9	90.9	91.8	93.7	94.2	94.6	95.1	95.9	96.1	96.4
IV 100	51.6	70.3	74.4	77.8	84.9	85.4	88.9	91.1	92.1	94.2	94.6	95.2	95.8	97.3	97.9	99.0
U	51.6	70.3	74.4	77.8	84.9	85.4	88.9	91.1	92.1	94.2	94.6	95.2	95.8	97.4	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6466

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	38.5	48.0	49.8	50.4	51.0	51.1	51.9	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	44.7	54.9	56.8	57.4	58.0	58.2	59.0	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	44.0	55.0	57.0	57.6	58.2	58.3	59.1	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 16000	44.0	55.0	57.0	57.6	58.2	58.3	59.1	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 14000	44.0	55.2	57.1	57.7	58.3	58.4	59.2	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	44.5	55.6	57.6	58.2	58.8	58.9	59.7	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	45.4	57.0	59.0	59.6	60.2	60.3	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	46.3	57.8	59.8	60.4	61.0	61.2	62.1	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	49.0	61.2	63.4	64.0	64.6	64.7	65.9	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	50.1	62.5	64.7	65.3	65.9	66.1	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 6000	50.1	62.9	65.2	65.8	66.4	66.5	67.7	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	51.6	64.9	67.1	67.7	68.5	68.6	69.8	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	53.1	66.7	69.2	69.8	70.7	70.9	72.1	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4000	55.9	71.1	74.2	74.9	76.1	76.3	77.5	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	57.3	73.1	76.6	77.3	78.7	78.8	80.0	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	58.8	74.9	78.9	79.6	81.3	81.5	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	59.6	76.3	80.5	81.3	83.1	83.3	84.5	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2000	59.7	76.4	80.6	81.4	83.7	84.1	85.3	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1800	59.8	76.5	80.7	81.5	83.8	84.2	85.4	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500	60.0	76.6	80.8	81.8	84.3	84.7	86.0	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200	60.4	77.3	81.5	83.2	86.7	87.1	88.6	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1000	60.7	77.8	82.0	84.5	88.1	88.5	90.0	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	60.8	78.1	82.3	84.8	88.4	88.7	90.3	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	60.8	78.1	82.3	85.1	88.8	89.2	90.8	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	60.8	78.4	83.0	86.0	89.7	90.0	91.7	92.7	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	60.8	78.5	83.1	86.1	90.3	90.6	92.3	93.3	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	60.8	78.7	83.2	86.5	90.8	91.1	93.3	94.4	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	60.8	78.7	83.2	86.6	91.5	91.8	94.0	95.1	95.2	95.7	95.7	95.8	95.9	96.0	96.0	96.0
≥ 300	60.8	78.7	83.2	86.6	91.5	92.2	94.4	95.4	95.7	97.4	97.4	97.5	97.7	98.2	98.7	98.7
≥ 200	60.8	78.7	83.2	86.6	91.5	92.2	94.4	95.4	95.7	97.5	97.5	97.6	98.0	98.7	99.8	100.0
≥ 100	60.8	78.7	83.2	86.6	91.5	92.2	94.4	95.4	95.7	97.5	97.5	97.6	98.0	98.7	99.8	100.0
≥ 0	60.8	78.7	83.2	86.6	91.5	92.2	94.4	95.4	95.7	97.5	97.5	97.6	98.0	98.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.7	37.2	40.0	40.6	42.4	42.6	43.0	43.2	43.5	43.8	43.8	43.8	43.8	44.2	44.3	44.6
≥ 20000	33.4	42.0	44.9	45.6	47.4	47.7	48.0	48.3	48.5	49.0	49.1	49.2	49.2	49.6	49.8	50.1
IV 18000	33.4	42.3	45.1	45.9	47.7	47.9	48.3	48.5	48.7	49.2	49.3	49.5	49.5	49.8	50.1	50.3
IV 16000	33.4	42.3	45.1	45.9	47.7	47.9	48.3	48.5	48.7	49.2	49.3	49.5	49.5	49.8	50.1	50.3
IV 14000	33.5	42.5	45.4	46.1	47.9	48.1	48.5	48.7	49.0	49.5	49.6	49.7	49.7	50.1	50.3	50.5
IV 12000	33.8	43.1	46.0	46.7	48.5	48.9	49.2	49.5	49.7	50.2	50.3	50.4	50.4	50.8	51.0	51.3
IV 10000	34.7	44.7	47.5	48.3	50.1	50.4	51.0	51.3	51.5	52.0	52.1	52.2	52.2	52.6	52.9	53.2
IV 9000	35.4	45.4	48.3	49.0	50.8	51.1	51.7	52.0	52.2	52.7	52.8	52.9	52.9	53.3	53.7	53.9
IV 8000	38.1	48.5	51.5	52.2	54.4	54.7	55.4	55.8	56.0	56.5	56.6	56.8	56.8	57.1	57.5	57.7
IV 7000	39.0	50.1	53.1	53.8	56.0	56.4	57.1	57.5	57.7	58.2	58.3	58.4	58.4	58.8	59.2	59.4
IV 6000	39.3	50.3	53.3	54.0	56.3	56.6	57.4	57.7	58.0	58.6	58.7	58.8	58.8	59.2	59.5	59.8
IV 5000	40.1	51.6	54.9	55.9	58.8	59.3	60.1	60.5	60.7	61.3	61.4	61.6	61.6	61.9	62.3	62.5
IV 4500	41.1	52.8	56.2	57.4	60.2	60.8	61.7	62.0	62.3	62.9	63.0	63.1	63.1	63.5	63.8	64.1
IV 4000	43.7	57.1	60.8	62.5	65.9	66.5	67.7	68.1	68.5	69.1	69.2	69.3	69.3	69.7	70.1	70.3
IV 3500	44.7	58.6	62.8	64.4	67.9	68.5	69.8	70.4	70.8	71.4	71.5	71.6	71.6	72.0	72.3	72.6
IV 3000	46.2	60.7	65.4	67.1	70.5	71.1	72.6	73.2	73.5	74.1	74.4	74.5	74.5	74.9	75.2	75.4
IV 2500	47.2	61.7	66.6	68.4	72.0	72.6	74.1	74.9	75.2	75.8	76.0	76.2	76.2	76.5	76.9	77.1
IV 2000	48.5	63.5	68.4	70.2	73.9	74.5	76.2	76.9	77.4	78.0	78.2	78.3	78.3	78.7	79.0	79.3
IV 1800	49.1	64.1	69.0	70.8	74.5	75.1	76.8	77.5	78.0	78.6	78.8	78.9	78.9	79.3	79.6	79.9
IV 1500	49.2	64.4	69.6	71.6	75.7	76.4	78.3	79.0	79.5	80.1	80.4	80.5	80.5	80.8	81.2	81.4
IV 1200	49.5	64.8	70.1	72.1	77.2	78.0	80.1	81.0	81.4	82.2	82.4	82.5	82.5	82.9	83.2	83.5
IV 1000	50.1	66.0	71.6	74.1	79.6	80.4	83.1	84.4	84.9	85.6	85.9	86.0	86.0	86.3	86.7	86.9
IV 900	50.2	66.2	71.9	74.5	80.0	80.7	83.7	85.0	85.5	86.2	86.5	86.6	86.6	86.9	87.3	87.5
IV 800	50.2	66.9	73.1	75.8	81.3	82.0	85.3	86.6	87.1	88.0	88.3	88.4	88.4	88.7	89.1	89.3
IV 700	50.2	66.9	73.2	76.2	81.7	82.4	85.7	87.1	87.7	88.6	88.9	89.0	89.0	89.3	89.7	89.9
IV 600	50.2	67.1	73.5	76.5	82.4	83.1	86.6	87.9	88.5	89.6	89.8	89.9	89.9	90.3	90.7	90.9
IV 500	50.3	67.8	74.4	77.5	83.7	84.6	88.5	89.9	90.5	91.6	91.9	92.0	92.1	92.5	92.8	93.1
IV 400	50.3	67.8	74.4	77.8	84.2	85.0	89.1	90.7	91.4	92.8	93.2	93.3	93.4	93.8	94.1	94.4
IV 300	50.3	67.8	74.4	77.8	84.2	85.0	89.1	90.7	91.4	93.8	94.3	94.4	94.5	95.1	95.9	96.2
IV 200	50.3	67.8	74.4	77.8	84.3	85.4	89.6	91.1	91.9	94.5	95.2	95.3	95.3	95.9	97.0	98.2
IV 100	50.3	67.8	74.4	77.8	84.3	85.4	89.6	91.1	91.9	94.6	95.3	95.4	95.4	96.3	97.8	99.6
IV 0	50.3	67.8	74.4	77.8	84.3	85.4	89.6	91.1	91.9	94.6	95.3	95.4	95.4	96.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-2000
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	27.7	32.8	34.7	34.3	35.2	35.2	36.1	36.5	36.5	36.7	36.7	36.9	37.2	37.7	37.9	38.1
≥ 20000	30.7	37.2	38.5	39.0	40.3	40.3	41.3	41.9	41.9	42.1	42.1	42.3	42.6	43.1	43.5	43.6
IV 18000	30.7	37.7	39.0	39.5	40.8	40.8	41.9	42.5	42.5	42.7	42.7	42.9	43.2	43.7	44.1	44.2
IV 16000	30.9	37.8	39.1	39.6	40.9	40.9	42.0	42.6	42.6	42.9	42.9	43.0	43.3	43.8	44.2	44.3
IV 14000	31.5	38.7	40.0	40.5	41.8	41.8	43.0	43.7	43.7	43.9	43.9	44.1	44.4	44.9	45.3	45.4
IV 12000	31.8	39.5	40.8	41.3	42.6	42.6	43.8	44.5	44.5	44.8	44.8	44.9	45.3	45.7	46.1	46.2
IV 10000	33.6	41.8	43.1	43.6	45.0	45.0	46.3	47.2	47.2	47.5	47.5	47.7	48.0	48.5	48.9	49.0
IV 9000	33.7	42.3	43.6	44.1	45.5	45.5	46.8	47.7	47.7	48.0	48.0	48.1	48.5	49.0	49.3	49.5
IV 8000	36.0	46.0	47.7	48.3	50.1	50.2	51.6	52.5	52.5	52.8	52.8	52.9	53.3	53.8	54.1	54.3
IV 7000	37.8	48.4	50.2	50.9	52.7	52.8	54.3	55.1	55.1	55.5	55.5	55.6	55.9	56.4	56.8	56.9
IV 6000	37.9	48.9	50.7	51.4	53.3	53.4	55.0	55.8	55.8	56.2	56.2	56.3	56.7	57.1	57.5	57.6
IV 5000	39.4	50.3	52.3	53.2	55.3	55.6	57.3	58.1	58.1	58.5	58.5	58.6	59.1	59.5	59.9	60.0
IV 4500	40.0	50.9	52.9	53.8	56.1	56.3	58.0	58.8	58.8	59.2	59.2	59.4	59.9	60.4	60.7	60.9
IV 4000	42.1	54.3	56.3	57.4	60.0	60.4	62.5	63.5	63.5	63.9	63.9	64.1	64.7	65.2	65.5	65.7
IV 3500	42.5	54.9	57.0	58.1	60.7	61.1	63.3	64.6	64.6	64.9	64.9	65.2	65.8	66.3	66.6	66.7
IV 3000	43.0	55.6	57.9	58.9	61.6	61.9	64.5	65.8	65.8	66.3	66.3	66.5	67.1	67.6	67.9	68.1
IV 2500	43.6	56.4	58.7	59.9	62.5	62.9	65.8	67.2	67.3	67.8	67.8	68.1	68.7	69.1	69.5	69.6
IV 2000	45.7	59.4	61.9	63.4	66.6	67.0	70.0	71.4	71.8	72.4	72.4	72.6	73.2	73.7	74.1	74.2
IV 1800	45.7	59.8	62.3	63.7	67.1	67.5	70.5	71.9	72.3	72.9	72.9	73.1	73.7	74.2	74.5	74.7
IV 1500	46.3	61.3	64.0	65.4	69.0	69.4	73.0	74.4	74.8	75.4	75.4	75.6	76.2	76.7	77.1	77.2
IV 1200	47.4	63.0	66.0	67.5	71.1	71.4	75.2	76.6	77.0	77.6	77.6	77.8	78.4	78.9	79.2	79.4
IV 1000	48.1	64.0	67.0	68.4	72.7	73.2	77.4	79.0	79.4	80.0	80.0	80.2	80.8	81.3	81.6	81.8
IV 900	48.4	64.5	67.6	69.0	73.6	74.1	78.3	79.8	80.2	80.8	80.8	81.0	81.6	82.1	82.5	82.6
IV 800	48.6	65.3	69.1	70.8	75.6	76.1	80.6	82.2	82.6	83.2	83.2	83.4	84.0	84.5	84.9	85.0
IV 700	48.9	65.5	69.5	71.4	76.4	76.8	81.3	83.2	83.6	84.3	84.3	84.5	85.1	85.6	86.0	86.1
IV 600	49.1	66.3	70.5	72.9	77.8	78.3	82.7	84.6	85.1	86.1	86.1	86.3	86.9	87.4	87.8	87.9
IV 500	49.1	66.4	70.9	73.7	79.5	80.1	85.0	87.0	87.8	89.2	89.2	89.4	90.0	90.8	91.1	91.2
IV 400	49.1	66.5	71.1	73.8	80.0	80.7	85.6	87.9	88.6	90.0	90.0	90.3	90.9	91.6	92.0	92.1
IV 300	49.1	66.5	71.1	74.1	80.3	81.0	86.1	88.5	89.6	92.1	92.2	92.7	93.4	94.4	95.3	95.4
IV 200	49.1	66.5	71.1	74.1	80.4	81.2	86.3	88.7	89.9	92.8	92.9	93.4	95.1	96.3	97.6	97.8
IV 100	49.1	66.5	71.1	74.1	80.4	81.2	86.3	88.7	89.9	92.8	92.9	93.4	95.2	96.5	98.7	99.5
IV 0	49.1	66.5	71.1	74.1	80.4	81.2	86.3	88.7	89.9	92.8	92.9	93.4	95.2	96.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	28.9	35.0	35.4	35.5	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 20000	33.3	42.4	43.0	43.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 18000	33.7	42.9	43.5	43.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.9
≥ 16000	33.8	43.0	43.6	43.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	45.0
≥ 14000	34.6	44.1	44.9	45.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.4
≥ 12000	35.0	45.2	46.0	46.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.4
≥ 10000	36.0	46.5	47.3	47.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6	48.7
≥ 9000	36.4	47.0	47.9	48.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.3
≥ 8000	38.7	49.8	50.8	50.9	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4
≥ 7000	39.8	51.6	52.6	52.8	54.0	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.7
≥ 6000	40.0	51.9	52.8	53.0	54.2	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	55.0
≥ 5000	40.7	53.4	54.5	54.7	56.2	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.9	56.9	57.0
≥ 4500	41.7	54.5	55.8	56.0	57.5	57.5	57.9	57.9	57.9	57.9	58.1	58.1	58.1	58.2	58.2	58.3
≥ 4000	43.7	57.2	58.5	58.9	60.8	60.8	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.8	61.8	61.9
≥ 3500	45.3	59.0	60.6	60.9	63.0	63.0	63.7	63.7	63.7	63.7	63.9	63.9	63.9	64.0	64.0	64.2
≥ 3000	47.8	63.1	64.8	65.2	67.5	67.5	68.2	68.2	68.2	68.2	68.5	68.5	68.5	68.6	68.6	68.7
≥ 2500	50.3	66.2	67.9	68.3	70.8	70.8	71.6	71.6	71.6	71.7	71.9	71.9	71.9	72.0	72.0	72.2
≥ 2000	52.2	69.2	71.0	71.4	74.2	74.2	74.9	74.9	75.0	75.0	75.3	75.3	75.3	75.4	75.4	75.5
≥ 1800	52.9	70.1	71.9	72.4	75.1	75.1	75.9	75.9	76.0	76.0	76.2	76.2	76.2	76.3	76.3	76.5
≥ 1500	54.6	72.6	74.6	75.1	78.7	78.7	79.7	79.7	79.7	79.8	80.0	80.0	80.0	80.2	80.2	80.3
≥ 1200	56.9	76.6	78.5	79.5	83.3	83.3	84.2	84.2	84.3	84.3	84.6	84.6	84.6	84.7	84.7	84.8
≥ 1000	57.6	77.8	79.9	80.9	85.1	85.2	86.3	86.3	86.3	86.4	87.0	87.0	87.0	87.1	87.1	87.2
≥ 900	57.6	78.0	80.2	81.1	85.5	85.7	86.7	86.9	87.0	87.0	87.6	87.6	87.6	87.7	87.7	87.8
≥ 800	57.8	78.4	80.5	81.5	86.1	86.3	87.3	87.5	87.6	87.6	88.3	88.3	88.3	88.4	88.4	88.5
≥ 700	58.1	78.6	80.8	81.8	86.9	87.1	88.4	88.5	88.6	89.4	89.4	89.4	89.5	89.5	89.5	89.6
≥ 600	58.1	78.9	81.0	82.6	87.8	88.2	90.0	90.1	90.2	91.0	91.0	91.0	91.2	91.2	91.2	91.3
≥ 500	58.2	79.2	81.4	83.2	88.9	89.4	91.8	92.0	92.1	93.0	93.0	93.0	93.1	93.1	93.1	93.2
≥ 400	58.2	79.2	81.4	83.2	89.1	89.7	92.6	93.3	93.7	94.6	94.6	94.6	94.7	94.7	94.7	94.9
≥ 300	58.3	79.3	81.5	83.4	89.5	90.1	93.0	93.9	94.3	95.3	95.6	95.7	95.7	95.9	95.9	96.1
≥ 200	58.3	79.3	81.5	83.5	89.6	90.2	93.4	94.4	94.9	96.9	97.1	97.4	98.0	98.6	99.2	99.3
≥ 100	58.3	79.3	81.5	83.5	89.6	90.2	93.4	94.4	94.9	97.0	97.3	97.5	98.2	98.8	99.8	100.0
≥ 0	58.3	79.3	81.5	83.5	89.6	90.2	93.4	94.4	94.9	97.0	97.3	97.5	98.2	98.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 837

AD-A122 718

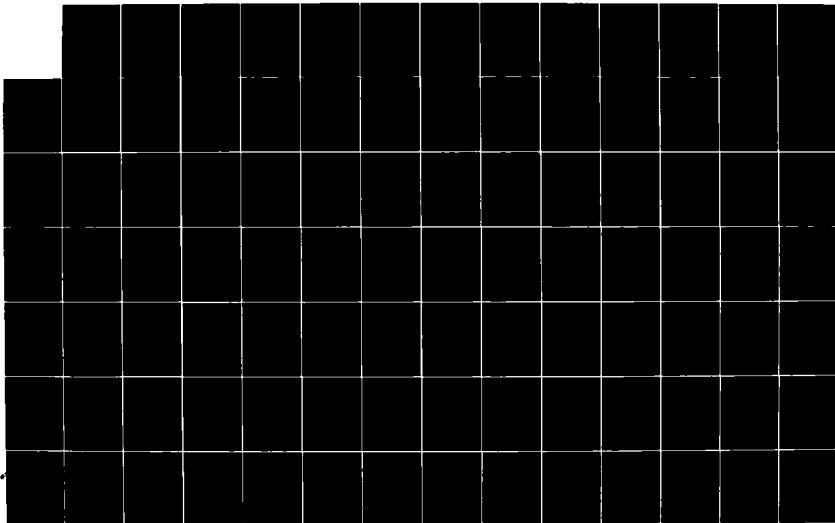
MAHN AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 AUG 83
USAFETAC/DS-82/049 SSI-AD-8880 208

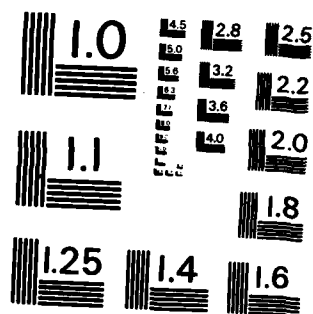
3/5

UNCLASSIFIED

F/G 4/2

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1. 16C
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	30.3	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 18000	36.1	44.1	44.3	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 16000	36.1	44.2	44.4	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 14000	36.3	44.4	44.7	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 12000	36.9	45.6	46.0	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 10000	38.0	47.1	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 9000	38.8	47.9	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 8000	40.5	49.6	49.9	49.9	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 7000	41.8	51.3	51.6	51.6	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 6000	41.9	51.5	51.9	51.9	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 5000	44.2	54.2	54.6	54.6	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 4500	46.2	56.5	56.9	56.9	57.2	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 4000	49.6	61.3	61.6	61.6	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 3500	54.4	66.4	66.8	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	58.7	71.9	72.6	72.6	73.4	73.4	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	61.5	76.0	76.9	77.2	77.8	78.0	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6
IV 2000	63.3	79.5	80.8	81.4	82.3	82.6	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	63.9	80.3	81.6	82.2	83.2	83.4	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500	66.3	83.4	84.7	85.3	86.5	86.7	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	68.2	86.5	87.9	88.9	90.4	90.7	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6
IV 1000	68.5	87.2	88.8	89.7	91.3	91.5	92.4	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	68.7	87.5	89.1	90.1	91.6	91.9	92.7	92.7	92.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1
IV 800	68.9	87.9	89.7	90.8	92.4	92.6	93.4	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	69.1	88.1	89.8	90.9	92.7	93.0	94.0	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6
IV 600	69.2	88.2	90.0	91.3	93.1	93.3	94.5	94.9	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	69.2	88.3	90.1	91.4	93.5	93.9	95.6	95.9	95.9	95.9	96.4	96.4	96.4	96.4	96.4	96.4
IV 400	69.2	88.3	90.3	91.6	94.0	94.4	96.2	96.7	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	69.2	88.3	90.3	91.6	94.1	94.6	96.7	97.1	97.1	97.1	97.8	97.8	97.8	97.8	97.8	97.8
IV 200	69.2	88.3	90.3	91.6	94.1	94.6	96.9	97.5	97.5	97.5	98.8	98.9	98.9	99.0	99.3	99.3
≥ 100	69.2	88.3	90.3	91.6	94.1	94.6	96.9	97.5	97.5	97.5	99.0	99.2	99.2	99.4	99.9	99.9
IV 0	69.2	88.3	90.3	91.6	94.1	94.6	96.9	97.5	97.5	97.5	99.0	99.2	99.2	99.4	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	28.3	33.9	33.9	33.9	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000	36.6	44.4	44.4	44.4	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	37.1	45.3	45.3	45.3	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000	37.1	45.3	45.3	45.3	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 14000	37.7	46.8	46.8	46.8	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 12000	38.6	48.3	48.3	48.3	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 10000	41.5	51.6	51.6	51.6	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 9000	42.8	53.0	53.0	53.0	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 8000	45.9	56.3	56.8	56.8	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 7000	47.2	57.9	58.4	58.4	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 6000	47.4	58.3	58.7	58.7	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 5000	50.7	61.0	61.5	61.5	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 4500	52.4	64.0	64.5	64.5	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4000	58.1	70.8	71.4	71.4	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 3500	62.2	75.6	76.2	76.2	77.0	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3000	64.5	78.3	79.2	79.2	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2500	67.5	82.4	84.2	84.2	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2000	69.4	85.8	87.7	87.7	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1800	69.7	86.2	88.2	88.2	89.6	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	70.6	88.0	90.1	90.1	91.5	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	71.2	89.2	91.3	91.3	92.7	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	71.7	90.0	92.0	92.0	93.7	93.9	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	71.7	90.0	92.0	92.0	93.8	94.0	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	71.8	90.4	92.6	92.6	94.6	94.9	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	71.8	90.6	92.7	92.8	95.0	95.3	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	71.9	90.7	92.8	92.9	95.1	95.5	96.2	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	71.9	90.9	93.2	93.3	95.5	96.1	97.1	97.5	97.6	97.8	97.8	97.8	97.8	98.0	98.0	98.0
IV 400	71.9	90.9	93.4	93.5	95.7	96.3	97.4	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 300	71.9	90.9	93.4	93.5	95.8	96.4	97.7	98.2	98.3	98.7	98.7	98.7	98.7	98.8	98.8	98.8
IV 200	71.9	90.9	93.4	93.5	95.8	96.4	97.7	98.2	98.3	98.8	98.8	98.8	98.8	99.2	99.3	99.3
IV 100	71.9	90.9	93.4	93.5	95.8	96.4	97.7	98.2	98.3	98.8	98.9	98.9	98.9	99.5	99.6	99.6
IV 0	71.9	90.9	93.4	93.5	95.8	96.4	97.7	98.2	98.3	98.8	98.9	98.9	98.9	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	33.6	39.2	39.4	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	42.4	50.3	50.5	50.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 18000	43.6	52.2	52.4	52.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 16000	43.7	52.6	52.8	52.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 14000	44.2	53.5	53.6	53.8	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	45.0	54.5	54.7	54.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	47.3	57.7	57.9	57.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 9000	48.3	59.0	59.3	59.3	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 8000	52.3	63.7	64.0	64.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 7000	53.6	66.1	66.4	66.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 6000	54.3	66.5	66.9	67.4	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 5000	56.9	69.7	70.0	70.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	59.0	71.9	72.3	72.8	73.8	73.8	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4000	63.8	77.8	78.4	79.1	80.3	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3500	66.4	80.9	81.5	82.2	83.4	83.4	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	68.2	83.3	83.9	84.7	86.0	86.0	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2500	69.7	84.8	85.8	86.7	88.1	88.1	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2000	70.3	85.7	86.9	88.1	89.6	89.6	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	70.8	86.4	87.6	88.8	90.4	90.4	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	71.6	87.7	88.9	90.2	92.1	92.1	92.7	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	71.7	87.9	89.1	90.4	92.4	92.4	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1000	71.9	88.2	89.4	90.7	92.6	92.6	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 900	71.9	88.2	89.4	90.7	92.6	92.6	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 800	71.9	88.2	89.5	90.9	93.0	93.0	93.9	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700	71.9	88.2	89.6	91.3	93.4	93.4	94.7	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7
IV 600	71.9	88.2	89.7	91.4	93.5	93.5	94.9	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3
IV 500	71.9	88.2	89.7	91.4	93.8	93.8	95.3	96.4	96.7	96.8	96.8	96.8	96.8	97.0	97.1	97.1
IV 400	71.9	88.2	89.7	91.4	93.9	93.9	95.7	96.8	97.0	97.6	97.7	97.7	97.7	98.0	98.1	98.1
IV 300	71.9	88.2	89.7	91.4	93.9	93.9	95.8	96.9	97.1	98.0	98.1	98.1	98.1	98.3	98.4	98.4
IV 200	71.9	88.2	89.7	91.4	93.9	93.9	95.9	97.5	97.7	98.6	98.7	98.7	98.7	98.9	99.2	99.4
IV 100	71.9	88.2	89.7	91.4	93.9	93.9	95.9	97.5	97.7	98.6	98.7	98.7	98.7	98.9	99.2	99.4
IV 0	71.9	88.2	89.7	91.4	93.9	93.9	95.9	97.5	97.7	98.6	98.7	98.7	98.7	98.9	99.2	99.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5160

HAHN AB DL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	40.0	46.9	48.0	48.0	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	45.6	54.6	55.6	55.6	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 18000	46.5	56.4	57.4	57.4	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 16000	46.9	56.7	57.8	57.8	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 14000	46.9	56.7	57.8	57.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 12000	47.7	58.3	59.4	59.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	49.4	60.7	61.8	61.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 9000	50.1	61.8	62.9	63.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000	53.5	66.1	67.4	67.5	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 7000	54.2	66.9	68.2	68.3	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	54.4	67.4	68.7	68.8	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 5000	56.7	70.0	71.5	71.6	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500	57.7	71.1	72.7	72.8	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	62.1	76.6	78.2	78.3	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
IV 3500	62.8	78.5	80.2	80.3	82.6	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0
IV 3000	64.9	81.2	83.3	83.6	86.0	86.1	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6
IV 2500	65.5	82.1	84.7	85.0	87.4	87.5	87.6	87.8	87.9	88.0	88.0	88.0	88.0	88.1	88.1	88.1
IV 2000	65.7	82.7	85.5	86.3	89.1	89.2	89.3	89.4	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8
IV 1800	66.2	83.6	86.3	87.2	89.9	90.0	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.6
IV 1500	66.2	83.8	86.6	87.4	90.3	90.4	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.1
IV 1200	66.5	84.7	87.4	88.4	91.4	91.5	91.8	92.0	92.1	92.3	92.3	92.3	92.3	92.4	92.4	92.4
IV 1000	66.7	85.0	87.8	88.7	91.7	91.8	92.3	92.4	92.6	93.2	93.2	93.2	93.2	93.3	93.3	93.3
IV 900	66.7	85.0	87.8	88.7	91.7	91.8	92.3	92.6	92.7	93.3	93.3	93.3	93.3	93.4	93.4	93.4
IV 800	66.7	85.0	87.9	88.8	92.0	92.1	92.6	92.8	93.0	93.8	93.8	93.8	93.8	93.9	93.9	93.9
IV 700	66.7	85.0	87.9	89.2	92.3	92.4	92.9	93.2	93.4	94.1	94.1	94.1	94.1	94.2	94.2	94.2
IV 600	66.7	85.0	87.9	89.2	92.7	92.8	93.4	93.6	93.9	94.7	94.7	94.7	94.7	94.8	94.8	94.8
IV 500	66.7	85.1	88.0	89.3	93.2	93.3	94.2	94.7	95.0	95.8	95.8	95.8	95.8	96.0	96.2	96.2
IV 400	66.7	85.1	88.0	89.3	93.3	93.4	94.4	94.8	95.1	96.0	96.3	96.3	96.3	96.5	96.6	96.6
IV 300	66.7	85.1	88.0	89.3	93.5	93.6	94.6	95.1	95.6	97.1	97.4	97.4	97.4	97.6	98.0	98.0
IV 200	66.7	85.1	88.0	89.4	93.6	93.8	94.8	95.6	96.0	97.7	98.0	98.0	98.0	98.3	99.4	99.4
IV 100	66.7	85.1	88.0	89.4	93.6	93.8	94.8	95.6	96.0	97.7	98.0	98.1	98.1	98.6	99.6	99.9
IV 0	66.7	85.1	88.0	89.4	93.6	93.8	94.8	95.6	96.0	97.7	98.0	98.1	98.1	98.6	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATL. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160 HAHN AB DL 73-81 MAY 1954

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	32.1	38.6	39.5	39.7	40.4	40.5	40.7	40.8	40.9	41.0	41.0	41.0	41.0	41.1	41.2	41.2
≥ 20000	37.8	46.2	47.2	47.5	48.4	48.5	48.8	48.9	49.0	49.1	49.1	49.1	49.2	49.3	49.4	49.4
≥ 18000	38.1	47.0	48.0	48.3	49.2	49.3	49.6	49.7	49.8	49.9	49.9	49.9	50.0	50.1	50.2	50.2
≥ 16000	38.2	47.1	48.2	48.4	49.3	49.4	49.7	49.9	49.9	50.0	50.0	50.1	50.1	50.2	50.3	50.3
≥ 14000	38.6	47.7	48.8	49.0	50.0	50.1	50.4	50.5	50.6	50.7	50.7	50.7	50.8	50.9	51.0	51.0
≥ 12000	39.2	48.8	49.8	50.1	51.1	51.1	51.5	51.6	51.7	51.8	51.8	51.8	51.9	52.0	52.1	52.1
≥ 10000	40.7	50.9	52.0	52.2	53.2	53.3	53.6	53.8	53.9	54.0	54.0	54.0	54.1	54.2	54.3	54.3
≥ 9000	41.5	51.8	52.9	53.1	54.1	54.2	54.6	54.8	54.8	54.9	54.9	55.0	55.0	55.1	55.2	55.3
≥ 8000	44.3	55.1	56.4	56.7	57.9	58.0	58.5	58.7	58.7	58.8	58.9	58.9	58.9	59.0	59.2	59.2
≥ 7000	45.5	56.8	58.1	58.5	59.7	59.8	60.3	60.5	60.6	60.7	60.7	60.7	60.8	60.9	61.0	61.0
≥ 6000	45.6	57.2	58.5	58.9	60.1	60.2	60.8	61.0	61.0	61.1	61.1	61.2	61.2	61.3	61.4	61.5
≥ 5000	47.4	59.4	60.8	61.2	62.6	62.8	63.3	63.5	63.6	63.7	63.7	63.8	63.8	63.9	64.0	64.1
≥ 4500	48.9	61.1	62.5	63.0	64.4	64.6	65.2	65.4	65.4	65.6	65.6	65.6	65.7	65.8	65.9	65.9
≥ 4000	52.4	65.8	67.4	68.0	69.7	69.9	70.6	70.9	70.9	71.1	71.1	71.2	71.2	71.4	71.5	71.5
≥ 3500	54.5	68.4	70.2	70.8	72.6	72.7	73.5	73.8	73.8	74.0	74.0	74.1	74.2	74.3	74.4	74.4
≥ 3000	56.5	71.1	73.2	73.9	75.8	76.0	76.9	77.2	77.2	77.4	77.5	77.5	77.6	77.7	77.8	77.9
≥ 2500	58.1	73.2	75.7	76.4	78.4	78.6	79.5	79.9	80.0	80.2	80.2	80.3	80.4	80.5	80.6	80.6
≥ 2000	59.4	75.3	77.8	78.7	81.1	81.3	82.3	82.6	82.8	83.0	83.0	83.1	83.2	83.3	83.4	83.5
≥ 1800	59.8	75.9	78.5	79.4	81.7	82.0	82.9	83.3	83.5	83.7	83.7	83.8	83.9	84.0	84.1	84.1
≥ 1500	60.6	77.3	79.9	80.9	83.5	83.8	84.9	85.3	85.5	85.7	85.7	85.8	85.9	86.0	86.1	86.1
≥ 1200	61.5	78.8	81.5	82.7	85.7	85.9	87.2	87.6	87.8	88.1	88.1	88.2	88.2	88.4	88.5	88.5
≥ 1000	61.9	79.5	82.3	83.6	86.9	87.1	88.7	89.2	89.4	89.8	89.9	89.9	90.0	90.1	90.2	90.3
≥ 900	62.3	79.7	82.5	83.9	87.2	87.4	89.0	89.6	89.8	90.2	90.2	90.3	90.4	90.5	90.6	90.6
≥ 800	62.1	80.0	83.1	84.6	88.0	88.3	89.9	90.6	90.8	91.3	91.3	91.4	91.4	91.6	91.7	91.7
≥ 700	62.2	80.2	83.3	85.0	88.5	88.8	90.6	91.3	91.5	92.0	92.0	92.1	92.2	92.3	92.4	92.5
≥ 600	62.2	80.4	83.6	85.4	89.1	89.4	91.3	92.1	92.3	92.9	93.0	93.0	93.1	93.2	93.3	93.4
≥ 500	62.3	80.6	83.9	85.8	89.9	90.3	92.6	93.5	93.8	94.4	94.5	94.5	94.7	94.9	95.0	95.0
≥ 400	62.3	80.6	83.9	85.9	90.2	90.7	93.1	94.1	94.4	95.3	95.4	95.4	95.6	95.8	95.9	95.9
≥ 300	62.3	80.6	84.0	86.0	90.4	90.8	93.4	94.4	94.8	96.2	96.3	96.4	96.6	96.9	97.2	97.3
≥ 200	62.3	80.6	84.0	86.0	90.4	91.0	93.6	94.8	95.3	96.9	97.1	97.2	97.8	98.4	98.8	98.9
≥ 100	62.3	80.6	84.0	86.0	90.4	91.0	93.6	94.8	95.3	97.0	97.2	97.4	98.1	98.8	99.6	99.8
≥ 0	62.3	80.6	84.0	86.0	90.4	91.0	93.6	94.8	95.3	97.0	97.2	97.4	98.1	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6683

7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

MAHN AB DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY IN MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005	≥ 0.0025	≥ 0.001	≥ 0.0005
NO CEILING	40.5	46.1	48.1	48.3	49.4	49.4	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.2	51.2	51.2
≥ 20000	44.4	50.9	52.9	53.3	54.8	54.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6	56.6
≥ 18000	44.4	50.9	52.9	53.3	54.8	54.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6	56.6
≥ 16000	44.4	50.9	52.9	53.3	54.8	54.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6	56.6
≥ 14000	44.7	51.4	53.4	53.8	55.3	55.3	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1	57.1
≥ 12000	45.7	52.4	54.4	54.8	56.5	56.5	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.3	58.3	58.3
≥ 10000	47.8	54.8	57.0	57.4	59.2	59.2	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.1	61.1
≥ 9000	48.3	55.3	57.5	57.8	59.7	59.7	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.6	61.6	61.6
≥ 8000	51.1	58.1	60.6	60.9	62.8	62.8	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9	64.9
≥ 7000	52.3	59.5	62.2	62.5	64.4	64.4	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.5	66.5	66.5
≥ 6000	52.3	59.6	62.3	62.7	64.5	64.5	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.6	66.6	66.6
≥ 5000	54.1	61.8	64.9	65.3	67.1	67.1	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.2	69.2	69.2
≥ 4500	55.1	63.0	66.5	67.0	68.9	68.9	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0
≥ 4000	58.0	67.1	70.7	71.3	73.7	73.7	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.9	75.9	75.9
≥ 3500	60.1	69.8	73.8	74.4	76.9	76.9	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.2	79.2	79.2
≥ 3000	62.3	72.8	77.1	77.9	80.8	80.8	82.4	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.4	83.4	83.4
≥ 2500	63.8	74.7	79.0	80.0	82.9	82.9	84.5	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.5	85.5	85.5
≥ 2000	64.6	75.8	80.3	81.3	84.9	84.9	86.7	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.8	87.8	87.8
≥ 1800	64.9	76.1	80.8	81.8	85.4	85.4	87.1	87.5	87.5	87.8	87.8	87.8	87.8	87.8	88.3	88.3	88.3
≥ 1500	65.6	76.9	81.6	82.9	86.8	86.8	88.5	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.6	89.6	89.6
≥ 1200	65.6	77.1	82.1	83.7	87.6	87.6	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.5	90.5	90.5
≥ 1000	65.6	77.1	82.1	83.8	87.9	88.0	90.1	90.5	90.6	90.9	90.9	90.9	91.0	91.0	91.3	91.3	91.3
≥ 900	65.6	77.1	82.1	83.8	87.9	88.0	90.1	90.5	90.6	90.9	90.9	90.9	91.0	91.0	91.3	91.3	91.3
≥ 800	66.1	77.8	82.7	84.4	88.5	88.6	90.9	91.2	91.6	91.8	91.8	91.8	92.0	92.1	92.5	92.5	92.5
≥ 700	66.3	77.9	82.8	84.5	88.8	88.9	91.5	91.8	92.2	92.5	92.5	92.5	92.6	92.7	93.1	93.1	93.1
≥ 600	66.3	78.0	83.1	84.8	89.4	89.5	92.1	92.5	92.8	93.1	93.1	93.1	93.2	93.3	93.7	93.7	93.7
≥ 500	66.6	78.4	83.9	85.9	90.6	90.7	93.4	93.8	94.2	94.4	94.4	94.4	94.6	94.7	95.1	95.1	95.1
≥ 400	66.6	78.4	83.9	86.0	91.0	91.1	94.1	94.4	94.8	95.3	95.4	95.4	95.6	95.7	96.0	96.0	96.0
≥ 300	66.7	78.5	84.1	86.3	91.5	91.6	94.6	95.1	95.4	96.7	96.8	97.0	97.4	97.4	98.1	98.1	98.4
≥ 200	66.7	78.5	84.1	86.3	91.5	91.6	94.7	95.4	95.8	97.0	97.2	97.7	98.1	98.1	99.3	99.4	99.6
≥ 100	66.7	78.5	84.1	86.3	91.5	91.6	94.7	95.4	95.8	97.0	97.2	97.7	98.3	98.3	99.5	99.8	100.0
≥ 0	66.7	78.5	84.1	86.3	91.5	91.6	94.7	95.4	95.8	97.0	97.2	97.7	98.3	98.3	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 809

USAF ETAC

FORM 04

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616C
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
SOURCE

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	31.0	37.4	38.4	39.0	40.8	41.1	42.5	43.0	43.0	43.5	43.5	43.5	43.6	43.7	44.0	44.0
≥ 20000	32.7	39.9	41.0	41.8	43.7	44.1	45.6	46.2	46.2	46.7	46.7	46.7	46.8	47.0	47.2	47.2
IV 18000	33.1	40.3	41.4	42.1	44.1	44.5	46.0	46.6	46.6	47.1	47.1	47.1	47.2	47.3	47.6	47.6
IV 16000	33.1	40.3	41.4	42.1	44.1	44.5	46.0	46.6	46.6	47.1	47.1	47.1	47.2	47.3	47.6	47.6
IV 14000	33.2	40.4	41.5	42.3	44.2	44.6	46.1	46.7	46.7	47.2	47.2	47.2	47.3	47.5	47.7	47.7
IV 12000	34.1	41.5	42.8	43.5	45.5	45.8	47.3	48.0	48.0	48.5	48.5	48.5	48.6	48.7	48.9	48.9
IV 10000	35.8	43.4	44.6	45.4	47.3	47.7	49.4	50.1	50.1	50.6	50.6	50.6	50.7	50.8	51.1	51.1
IV 9000	36.9	44.9	46.1	46.8	48.8	49.2	50.9	51.5	51.5	52.0	52.0	52.0	52.2	52.3	52.5	52.5
IV 8000	39.2	48.0	49.4	50.2	52.4	52.8	54.5	55.1	55.1	55.6	55.6	55.6	55.8	55.9	56.1	56.1
IV 7000	39.8	48.7	50.4	51.2	53.5	53.9	55.6	56.3	56.3	56.8	56.8	56.8	56.9	57.0	57.2	57.2
IV 6000	39.9	48.9	50.7	51.4	53.8	54.3	56.0	56.6	56.6	57.1	57.1	57.1	57.2	57.4	57.6	57.6
IV 5000	41.6	51.2	53.2	54.0	56.6	57.1	59.0	59.6	59.6	60.1	60.1	60.1	60.2	60.3	60.6	60.6
IV 4500	42.5	52.0	54.4	55.3	57.9	58.4	60.2	60.8	60.8	61.3	61.3	61.3	61.5	61.6	61.8	61.8
IV 4000	46.2	56.9	59.2	60.6	63.3	63.9	66.0	66.8	66.8	67.3	67.3	67.3	67.4	67.5	67.8	67.8
IV 3500	47.6	59.1	61.6	63.1	66.2	66.8	69.0	69.8	69.8	70.3	70.3	70.3	70.4	70.5	70.8	70.8
IV 3000	50.3	62.5	65.2	66.9	70.3	70.9	73.1	73.9	73.9	74.6	74.6	74.6	74.7	75.0	75.2	75.2
IV 2500	51.3	63.8	66.5	68.3	71.9	72.5	74.7	75.5	75.5	76.2	76.2	76.2	76.3	76.6	76.8	76.8
IV 2000	52.3	65.4	68.4	70.3	74.3	75.1	77.7	78.4	78.4	79.2	79.2	79.2	79.3	79.6	79.8	79.8
IV 1800	52.4	65.7	68.6	70.5	74.7	75.5	78.1	78.8	78.8	79.6	79.6	79.6	79.7	79.9	80.2	80.2
IV 1500	53.0	66.5	69.9	72.0	76.2	77.0	79.6	80.3	80.3	81.0	81.0	81.0	81.2	81.4	81.7	81.7
IV 1200	53.4	67.0	70.5	72.6	77.1	77.8	80.4	81.3	81.3	82.0	82.0	82.0	82.2	82.4	82.7	82.7
IV 1000	53.8	67.7	71.4	73.5	78.8	79.6	82.5	83.4	83.4	84.5	84.5	84.5	84.6	84.9	85.1	85.1
IV 900	54.0	67.9	71.6	73.7	79.1	79.8	82.8	83.8	83.8	84.9	84.9	84.9	85.0	85.3	85.5	85.5
IV 800	54.4	68.3	72.0	74.2	79.9	80.8	83.8	85.0	85.0	86.1	86.1	86.1	86.2	86.5	86.7	86.7
IV 700	54.5	68.4	72.1	74.3	80.2	81.2	84.3	85.5	85.5	86.6	86.6	86.6	86.7	87.0	87.2	87.2
IV 600	54.8	68.6	72.9	75.6	81.7	82.8	86.4	88.0	88.0	89.3	89.3	89.3	89.5	89.7	90.0	90.0
IV 500	54.9	69.1	73.5	76.3	82.9	84.1	88.2	90.1	90.2	91.6	91.7	91.7	91.8	92.2	92.4	92.4
IV 400	55.3	69.5	73.9	76.7	83.3	84.5	89.0	90.8	91.0	92.8	93.2	93.2	93.6	94.1	94.3	94.3
IV 300	55.3	69.5	73.9	76.7	83.4	84.8	89.5	91.3	91.4	94.2	94.8	94.9	95.5	97.0	97.3	97.4
IV 200	55.3	69.5	73.9	76.7	83.4	84.8	89.5	91.4	91.7	94.5	95.3	95.4	96.3	98.0	98.6	98.9
IV 100	55.3	69.5	73.9	76.7	83.4	84.8	89.5	91.4	91.7	94.5	95.3	95.4	96.3	98.4	99.4	99.9
IV 0	55.4	69.6	74.0	76.8	83.5	84.9	89.6	91.6	91.8	94.7	95.4	95.5	96.4	98.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.2	31.2	32.3	33.2	34.1	34.4	35.1	35.4	35.7	36.3	36.3	36.3	36.4	36.4	36.4	36.4
≥ 20000	30.9	37.7	38.9	39.8	40.6	41.0	41.6	42.0	42.3	43.0	43.0	43.0	43.1	43.1	43.1	43.1
≥ 18000	31.2	38.0	39.3	40.1	41.0	41.4	42.0	42.4	42.6	43.5	43.5	43.5	43.6	43.6	43.6	43.6
≥ 16000	31.2	38.0	39.3	40.1	41.0	41.4	42.0	42.4	42.6	43.5	43.5	43.5	43.6	43.6	43.6	43.6
≥ 14000	31.7	38.5	39.8	40.6	41.5	41.9	42.8	43.1	43.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5
≥ 12000	33.3	40.4	41.6	42.5	43.5	43.9	44.7	45.1	45.4	46.3	46.3	46.3	46.5	46.5	46.5	46.5
≥ 10000	34.9	42.3	43.5	44.4	45.5	45.8	46.7	47.1	47.3	48.5	48.5	48.5	48.6	48.6	48.6	48.7
≥ 9000	35.8	43.1	44.4	45.2	46.5	46.8	47.7	48.1	48.3	49.4	49.4	49.4	49.6	49.6	49.6	49.7
≥ 8000	37.8	45.7	47.5	48.3	49.8	50.2	51.2	51.5	51.8	52.9	52.9	52.9	53.0	53.0	53.0	53.2
≥ 7000	38.8	46.7	48.5	49.3	51.1	51.9	52.7	53.0	53.4	54.6	54.6	54.6	54.8	54.8	54.8	54.9
≥ 6000	38.9	46.8	48.6	49.4	51.2	51.5	52.8	53.2	53.5	54.8	54.8	54.8	54.9	54.9	54.9	55.0
≥ 5000	41.0	49.2	51.1	52.2	54.0	54.4	55.8	56.0	56.4	57.6	57.6	57.6	57.7	57.7	57.7	57.9
≥ 4500	42.1	50.3	52.3	53.4	55.3	55.6	56.9	57.2	57.6	58.9	58.9	58.9	59.0	59.0	59.0	59.1
≥ 4000	43.4	52.2	54.3	55.5	57.9	58.2	59.7	60.2	60.7	62.1	62.3	62.3	62.5	62.6	62.7	62.8
≥ 3500	45.1	54.4	56.5	57.9	60.2	60.6	62.2	62.7	63.2	64.6	64.8	64.8	64.9	65.1	65.2	65.3
≥ 3000	46.3	56.4	58.7	60.1	62.6	62.9	64.7	65.3	65.8	67.4	67.8	67.8	67.9	68.2	68.3	68.4
≥ 2500	47.1	57.2	59.6	61.1	63.6	64.1	66.0	66.7	67.2	68.8	69.1	69.1	69.3	69.5	69.6	69.8
≥ 2000	48.8	59.6	62.2	63.7	66.2	66.7	68.8	69.6	70.1	71.7	72.4	72.4	72.5	72.7	72.9	73.0
≥ 1800	49.2	60.1	62.7	64.2	66.7	67.2	69.4	70.3	70.8	72.4	73.0	73.0	73.1	73.4	73.5	73.6
≥ 1500	49.9	60.8	63.7	65.3	68.0	68.5	70.9	71.7	72.2	73.9	74.5	74.5	74.6	74.8	75.0	75.1
≥ 1200	51.2	62.5	65.4	67.0	70.1	70.6	73.2	74.2	74.8	76.5	77.1	77.1	77.3	77.6	77.7	77.8
≥ 1000	52.9	64.4	67.4	69.1	72.9	73.5	76.2	77.2	77.8	79.4	80.2	80.2	80.4	80.7	80.8	80.9
≥ 900	53.3	64.9	67.9	69.6	73.4	74.0	76.7	77.7	78.3	79.9	80.7	80.7	80.9	81.2	81.3	81.4
≥ 800	53.4	65.2	68.5	70.4	74.2	74.8	77.9	78.9	79.7	81.3	82.0	82.0	82.3	82.5	82.7	82.8
≥ 700	53.5	65.4	68.9	70.8	75.1	75.8	79.2	80.4	81.2	82.8	83.5	83.5	83.9	84.1	84.3	84.4
≥ 600	53.8	66.0	69.9	72.4	77.0	77.7	81.4	83.0	83.9	85.6	86.4	86.4	86.7	87.0	87.1	87.2
≥ 500	53.9	66.2	70.0	72.7	77.7	78.6	83.1	85.1	86.1	88.0	88.7	89.0	89.5	89.7	89.8	90.0
≥ 400	53.9	66.3	70.3	73.0	78.4	79.3	84.3	86.5	87.7	90.2	91.0	91.3	91.8	92.1	92.2	92.3
≥ 300	54.4	66.8	70.9	73.6	79.1	79.9	84.9	87.2	88.7	91.9	93.2	94.1	94.9	95.8	96.3	96.7
≥ 200	54.4	66.8	70.9	73.6	79.1	79.9	85.0	87.4	89.2	92.9	94.2	95.2	96.2	97.8	98.5	98.9
≥ 100	54.4	66.8	70.9	73.6	79.1	79.9	85.0	87.4	89.2	92.9	94.3	95.3	96.4	98.4	99.1	100.0
≥ 0	54.4	66.8	70.9	73.6	79.1	79.9	85.0	87.4	89.2	92.9	94.3	95.3	96.4	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167

HAHN AB DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	28.3	31.5	32.3	32.6	33.0	33.0	33.1	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 20000	34.4	38.2	39.1	39.4	40.2	40.2	40.3	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 18000	34.7	38.6	39.4	39.8	40.5	40.5	40.7	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 16000	34.7	38.7	39.6	39.9	40.7	40.7	40.8	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 14000	34.9	38.9	39.9	40.3	41.0	41.0	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 12000	36.2	40.4	41.4	41.9	42.6	42.6	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 10000	37.9	43.0	44.1	44.6	45.4	45.4	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 9000	38.7	43.8	44.9	45.4	46.1	46.1	46.2	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 8000	42.2	48.1	49.3	49.8	51.1	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 7000	42.9	48.8	50.1	50.6	51.8	51.8	51.9	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 6000	43.3	49.3	50.6	51.1	52.3	52.3	52.4	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 5000	44.7	51.2	52.4	53.0	54.4	54.4	54.5	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 4500	45.0	51.7	52.9	53.5	54.9	54.9	55.0	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 4000	47.3	54.6	56.0	56.6	58.0	58.0	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 3500	48.9	56.4	57.8	58.7	60.3	60.3	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 3000	53.0	61.1	62.8	63.7	65.4	65.4	66.0	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 2500	55.1	64.2	65.9	66.7	68.7	68.7	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 2000	59.0	69.6	71.3	72.2	74.3	74.3	75.3	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 1800	59.6	70.6	72.3	73.2	75.3	75.4	76.5	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 1500	63.4	75.2	77.0	77.9	80.1	80.3	81.6	81.7	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 1200	65.1	77.3	79.4	80.6	82.9	83.2	84.8	84.9	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1000	65.9	78.2	81.2	82.8	85.4	85.8	87.5	87.8	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 900	66.1	78.6	81.7	83.3	86.0	86.4	88.3	88.5	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 800	66.6	79.5	82.8	84.4	87.3	87.6	89.6	90.0	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	66.6	79.7	83.1	84.8	88.1	88.5	90.6	91.0	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 600	66.6	79.9	83.6	85.4	89.0	89.4	91.6	92.2	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500	66.9	80.1	83.8	86.0	89.9	90.2	92.7	93.8	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 400	66.9	80.1	83.8	86.0	89.9	90.2	93.0	94.2	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 300	67.0	80.2	83.9	86.2	90.2	90.7	94.2	95.4	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 200	67.0	80.2	83.9	86.2	90.2	90.7	94.3	95.8	97.3	98.1	98.3	98.4	98.6	99.0	99.0	99.0
IV 100	67.1	80.2	83.9	86.2	90.2	90.7	94.3	95.9	97.5	98.8	98.9	99.1	99.4	100.0	100.0	100.0
IV 0	67.1	80.2	83.9	86.2	90.2	90.7	94.3	95.9	97.5	98.8	98.9	99.1	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-6167
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	27.0	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 20000	32.7	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 18000	33.2	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
IV 16000	33.3	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 14000	33.6	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IV 12000	34.6	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 10000	35.9	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 9000	36.8	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 8000	39.9	44.0	44.3	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 7000	41.6	45.8	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 6000	42.2	46.8	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 5000	44.1	48.9	49.4	49.4	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 4500	45.9	50.7	51.2	51.2	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 4000	52.2	58.1	58.9	58.9	59.8	59.9	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 3500	58.4	64.7	65.6	65.7	66.7	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3000	63.6	70.9	71.9	72.1	73.1	73.2	73.2	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 2500	67.8	76.2	77.3	77.5	78.6	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2000	71.6	81.2	82.5	83.1	84.4	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	72.7	82.6	83.8	84.7	86.0	86.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500	74.6	85.4	86.9	88.0	89.9	90.0	90.1	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1200	75.6	87.2	88.8	90.4	92.6	92.7	93.1	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1000	76.2	87.9	89.5	91.4	93.7	93.8	94.2	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	76.2	87.9	89.5	91.4	93.7	93.8	94.2	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 800	76.2	87.9	89.5	91.4	93.7	93.8	94.2	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 700	76.2	88.0	89.9	91.7	94.6	94.7	95.1	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	76.2	88.3	90.1	92.0	95.2	95.3	95.9	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	76.2	88.3	90.1	92.0	95.7	95.9	96.5	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 400	76.3	88.4	90.2	92.1	96.0	96.3	97.0	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	76.3	88.4	90.2	92.1	96.2	96.4	97.4	98.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	76.3	88.4	90.2	92.1	96.2	96.4	97.8	98.8	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	76.3	88.4	90.2	92.1	96.2	96.4	97.8	98.8	99.0	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	76.3	88.4	90.2	92.1	96.2	96.4	97.8	98.8	99.0	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
TIME

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	30.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 20000	37.9	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 18000	38.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000	38.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000	38.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 12000	39.9	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 10000	41.1	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 9000	42.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 8000	45.8	48.5	48.6	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 7000	47.7	50.6	50.7	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 6000	47.9	51.0	51.1	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 5000	49.8	53.8	54.0	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4500	54.3	59.0	59.1	59.3	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4000	62.3	67.9	68.6	68.8	69.3	69.4	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3500	66.2	72.3	73.1	73.2	73.7	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	69.6	76.7	77.5	77.7	78.4	78.5	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	74.8	82.6	83.8	84.3	85.7	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000	77.3	85.8	87.3	88.3	90.1	90.4	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	77.5	86.2	87.7	88.6	91.0	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	78.1	87.2	88.9	89.9	92.7	93.0	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	78.8	88.0	90.0	91.1	94.3	94.6	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	78.8	88.3	90.4	91.6	95.6	95.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	78.8	88.3	90.4	91.6	95.6	95.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	78.9	88.4	90.5	91.7	95.8	96.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	78.9	88.4	90.5	91.7	95.8	96.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	78.9	88.4	90.5	91.7	95.8	96.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	79.0	88.6	90.7	92.0	96.5	96.8	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	79.0	88.8	91.1	92.3	96.9	97.2	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	79.0	88.8	91.1	92.3	97.0	97.3	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	79.0	88.8	91.1	92.3	97.0	97.3	99.0	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	79.0	88.8	91.1	92.3	97.0	97.3	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	79.0	88.8	91.1	92.3	97.0	97.3	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING ≥ 20000	35.4	38.0	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 18000	44.6	48.4	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 16000	45.0	49.0	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 14000	45.0	49.0	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	45.7	49.8	49.9	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	48.5	53.0	53.1	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	52.4	57.1	57.2	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	53.7	58.5	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 7000	57.3	63.0	63.5	63.5	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 6000	59.2	65.2	65.7	65.7	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	59.4	65.6	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500	62.7	69.7	70.2	70.2	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000	64.9	71.9	72.4	72.4	73.0	73.0	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	68.3	76.5	77.1	77.1	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	70.3	79.0	79.6	79.6	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	73.8	83.2	83.9	84.0	85.3	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	76.1	86.3	87.1	87.5	88.7	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	76.9	87.4	88.2	88.7	90.6	90.8	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1600	77.0	87.5	88.4	88.9	91.1	91.3	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	77.0	87.5	88.6	89.2	91.5	91.7	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1400	77.4	87.9	89.0	89.7	92.2	92.5	92.9	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	77.5	88.0	89.4	90.1	92.6	92.8	93.4	93.7	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	77.5	88.0	89.4	90.1	92.7	92.9	93.8	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	77.5	88.1	89.5	90.2	93.3	93.6	94.6	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	77.5	88.1	89.5	90.2	93.3	93.6	94.6	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700	77.5	88.1	89.5	90.2	93.3	93.6	94.6	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	77.5	88.1	89.5	90.2	93.6	93.9	95.5	95.8	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	77.6	88.6	90.0	90.7	94.2	94.6	96.8	97.3	97.6	98.3	98.3	98.4	98.5	98.5	98.5	98.5
≥ 400	77.6	88.7	90.1	91.1	94.7	95.0	97.5	98.1	98.5	99.4	99.4	99.5	99.6	99.6	99.6	99.6
≥ 300	77.6	88.7	90.1	91.1	94.7	95.0	97.5	98.3	98.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0
≥ 200	77.6	88.7	90.1	91.1	94.7	95.0	97.5	98.3	98.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0
≥ 100	77.6	88.7	90.1	91.1	94.7	95.0	97.5	98.3	98.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0
≥ 0	77.6	88.7	90.1	91.1	94.7	95.0	97.5	98.3	98.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 808

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1567

HAHN AB DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.2	≥0.1	≥0.05	≥0.02	≥0.01
NO CEILING	35.2	39.3	39.6	39.8	40.4	40.5	40.7	40.7	40.7	40.9	40.9	40.9	40.9	41.0	41.0	41.0
≥ 2000	43.1	48.1	48.8	48.9	49.8	49.9	50.7	50.7	50.7	50.9	50.9	50.9	51.0	51.0	51.0	51.0
≥ 1800	43.2	48.3	48.9	49.0	49.9	50.0	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.1	51.1	51.1
≥ 1600	43.2	48.3	48.9	49.0	49.9	50.0	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.1	51.1	51.1
≥ 1400	44.8	49.9	50.5	50.6	51.5	51.6	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.7	52.7	52.7
≥ 1200	45.4	50.7	51.4	51.5	52.3	52.5	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.6	53.6	53.6
≥ 1000	48.3	54.4	55.3	55.4	56.3	56.4	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.5
≥ 800	49.3	55.9	56.8	56.9	58.1	58.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5
≥ 600	52.8	60.1	61.0	61.1	62.5	62.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.8	63.8	63.8
≥ 400	54.3	61.7	62.7	62.8	64.2	64.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.6	65.6	65.6
≥ 200	54.3	62.2	63.2	63.3	64.7	64.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0
≥ 100	56.3	64.3	65.3	65.4	66.8	66.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.1	68.1	68.1
≥ 50	56.7	65.4	66.4	66.5	68.0	68.1	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.4	69.4	69.4
≥ 25	61.9	71.5	73.0	73.1	75.1	75.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.4	76.4	76.4
≥ 10	64.3	74.7	76.2	76.5	78.6	78.8	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.4	80.4	80.4
≥ 5	66.4	77.4	79.6	80.2	82.6	82.7	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.6	84.6	84.6
≥ 2	67.0	78.6	81.0	81.9	84.6	84.7	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.4	86.5	86.5
≥ 1	68.0	80.0	82.3	83.2	86.4	86.5	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.8	88.9	88.9
≥ 0.5	68.6	80.6	83.2	84.4	87.9	88.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.4	90.5	90.5
≥ 0.2	68.9	80.9	83.8	85.1	88.6	88.9	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.6	91.7	91.7
≥ 0.1	69.3	81.2	84.3	85.6	89.6	89.9	92.5	92.5	92.7	92.8	92.8	92.8	92.8	93.1	93.2	93.2
≥ 0.05	69.3	81.2	84.3	85.6	89.6	89.9	92.5	92.5	92.7	92.8	92.8	92.8	92.8	93.1	93.2	93.2
≥ 0.02	69.4	81.4	84.4	85.7	89.8	90.0	92.7	92.8	93.1	93.2	93.2	93.2	93.2	93.5	93.6	93.6
≥ 0.01	69.5	81.5	84.8	86.2	90.2	90.5	93.2	93.3	93.6	94.0	94.0	94.0	94.0	94.2	94.3	94.3
≥ 0.005	69.5	81.5	84.8	86.2	90.2	90.5	93.2	93.3	93.6	94.0	94.0	94.0	94.0	94.2	94.3	94.3
≥ 0.002	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5
≥ 0.001	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5
≥ 0.0005	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5
≥ 0.0002	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5
≥ 0.0001	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5
≥ 0.00005	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5
≥ 0.00002	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5
≥ 0.00001	70.1	82.1	85.6	87.0	91.5	91.7	94.6	94.9	95.3	95.7	95.7	95.7	96.0	96.4	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160

HAHN AB DL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	31.7	35.6	36.2	36.5	37.2	37.3	37.7	37.9	37.9	38.1	38.1	38.1	38.1	38.2	38.2	38.2
≥ 20000	37.6	42.3	43.1	43.4	44.2	44.3	44.8	45.0	45.0	45.2	45.2	45.2	45.2	45.3	45.3	45.3
≥ 18000	37.9	42.8	43.5	43.8	44.6	44.7	45.3	45.5	45.5	45.7	45.7	45.7	45.7	45.8	45.8	45.8
≥ 16000	37.9	42.8	43.6	43.9	44.7	44.8	45.3	45.5	45.5	45.7	45.7	45.7	45.7	45.8	45.9	45.9
≥ 14000	38.4	43.3	44.1	44.5	45.2	45.3	45.9	46.1	46.1	46.3	46.3	46.3	46.4	46.4	46.5	46.5
≥ 12000	39.7	44.8	45.6	46.0	46.8	46.9	47.5	47.7	47.7	47.9	47.9	47.9	47.9	48.0	48.0	48.0
≥ 10000	41.8	47.3	48.2	48.5	49.4	49.5	50.1	50.2	50.3	50.5	50.5	50.5	50.5	50.6	50.6	50.7
≥ 9000	42.7	48.4	49.3	49.6	50.5	50.6	51.3	51.4	51.5	51.7	51.7	51.7	51.7	51.8	51.8	51.8
≥ 8000	45.7	51.9	53.0	53.4	54.5	54.6	55.3	55.5	55.5	55.8	55.8	55.8	55.8	55.9	55.9	55.9
≥ 7000	47.0	53.4	54.6	54.9	56.1	56.2	56.9	57.1	57.1	57.4	57.4	57.4	57.4	57.5	57.5	57.6
≥ 6000	47.3	53.8	55.0	55.3	56.5	56.6	57.3	57.5	57.6	57.8	57.8	57.8	57.8	57.9	58.0	58.0
≥ 5000	49.3	56.3	57.5	57.9	59.3	59.4	60.1	60.3	60.4	60.6	60.6	60.6	60.6	60.7	60.8	60.8
≥ 4500	50.8	58.0	59.4	59.8	61.2	61.3	62.0	62.2	62.3	62.5	62.5	62.5	62.6	62.6	62.7	62.7
≥ 4000	55.0	63.1	64.7	65.2	66.9	67.0	67.9	68.2	68.2	68.5	68.5	68.5	68.6	68.7	68.7	68.7
≥ 3500	57.6	66.3	68.0	68.6	70.4	70.6	71.5	71.8	71.9	72.1	72.2	72.2	72.2	72.3	72.3	72.4
≥ 3000	60.7	70.1	72.1	72.8	74.8	75.0	76.0	76.2	76.3	76.7	76.7	76.7	76.7	76.8	76.9	77.0
≥ 2500	62.9	73.0	75.0	75.9	78.1	78.3	79.3	79.6	79.7	80.1	80.1	80.1	80.2	80.3	80.4	80.4
≥ 2000	64.8	75.6	77.8	78.9	81.4	81.7	82.9	83.2	83.3	83.7	83.7	83.8	83.8	83.9	84.0	84.0
≥ 1800	65.2	76.1	78.3	79.4	82.1	82.4	83.6	83.9	84.0	84.4	84.5	84.5	84.6	84.7	84.7	84.7
≥ 1500	66.3	77.5	80.0	81.2	84.1	84.4	85.8	86.1	86.2	86.6	86.7	86.7	86.8	86.9	86.9	86.9
≥ 1200	67.0	78.5	81.1	82.5	85.7	86.0	87.6	88.0	88.1	88.5	88.6	88.6	88.7	88.8	88.9	88.9
≥ 1000	67.5	79.1	82.0	83.5	87.1	87.4	89.2	89.6	89.8	90.3	90.4	90.4	90.5	90.6	90.6	90.7
≥ 900	67.6	79.3	82.1	83.6	87.2	87.6	89.4	89.9	90.0	90.5	90.6	90.6	90.7	90.9	90.9	90.9
≥ 800	67.8	79.6	82.5	84.1	87.9	88.2	90.2	90.7	90.9	91.5	91.6	91.6	91.7	91.8	91.8	91.9
≥ 700	67.9	79.7	82.7	84.3	88.3	88.7	90.7	91.3	91.5	92.1	92.2	92.2	92.3	92.4	92.5	92.5
≥ 600	67.9	79.9	83.0	84.8	89.0	89.4	91.7	92.4	92.7	93.3	93.4	93.4	93.5	93.7	93.7	93.7
≥ 500	68.2	80.2	83.5	85.3	89.9	90.3	93.0	93.9	94.2	94.9	95.0	95.1	95.2	95.4	95.4	95.4
≥ 400	68.2	80.3	83.6	85.5	90.3	90.7	93.6	94.6	95.0	96.0	96.1	96.3	96.4	96.6	96.6	96.7
≥ 300	68.3	80.4	83.7	85.7	90.5	91.0	94.0	95.0	95.6	97.0	97.2	97.5	97.8	98.3	98.4	98.5
≥ 200	68.3	80.4	83.7	85.7	90.5	91.0	94.1	95.3	96.0	97.4	97.8	98.1	98.5	99.2	99.4	99.5
≥ 100	68.3	80.4	83.7	85.7	90.5	91.0	94.1	95.3	96.0	97.5	97.9	98.2	98.7	99.5	99.8	100.0
≥ 0	68.3	80.4	83.8	85.7	90.6	91.1	94.2	95.3	96.0	97.6	97.9	98.2	98.7	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6470

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ 0
NO CEILING ≥ 20000	37.5	44.6	46.2	46.9	48.0	48.0	48.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	49.0
IV 18000	41.6	49.3	51.3	52.0	53.1	53.1	53.5	53.5	53.5	53.9	53.9	53.9	53.9	53.9	53.9	54.0
IV 16000	41.6	49.3	51.3	52.0	53.1	53.1	53.5	53.5	53.5	53.9	53.9	53.9	53.9	53.9	53.9	54.0
IV 14000	41.6	49.5	51.4	52.1	53.2	53.2	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.1
IV 12000	41.9	50.1	52.0	52.7	53.8	53.8	54.3	54.3	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.7
IV 10000	44.2	52.6	54.5	55.2	56.5	56.5	57.0	57.0	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.5
IV 9000	44.9	53.7	55.6	56.3	57.6	57.6	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.6
IV 8000	48.3	58.2	60.4	61.1	62.8	62.8	63.4	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.0	64.1
IV 7000	50.5	60.6	62.8	63.5	65.3	65.3	65.9	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.6
IV 6000	51.0	61.1	63.5	64.2	66.0	66.0	66.6	66.8	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.3
IV 5000	53.2	63.4	66.0	66.8	68.6	68.6	69.2	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.9
IV 4500	54.5	64.8	67.4	68.3	70.1	70.1	70.7	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.4
IV 4000	59.2	71.3	74.3	75.3	77.8	77.8	78.8	79.3	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.9
IV 3500	60.5	72.9	76.2	77.5	80.0	80.0	81.0	81.4	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.0
IV 3000	61.3	73.9	77.1	78.6	81.4	81.4	82.4	82.9	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.6
IV 2500	61.7	74.4	77.7	79.2	82.2	82.2	83.1	83.6	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.3
IV 2000	62.4	75.4	78.8	80.4	83.5	83.5	84.4	84.9	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.6
IV 1800	62.9	75.9	79.3	80.8	84.0	84.0	84.9	85.4	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.1
IV 1500	63.6	76.8	80.1	81.7	84.8	84.8	85.7	86.2	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.9
IV 1200	64.4	77.6	81.1	82.6	86.1	86.1	87.2	87.7	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.6
IV 1000	64.8	78.3	82.2	83.8	87.3	87.3	88.4	88.9	89.5	89.8	89.9	89.9	89.9	89.9	90.1	90.2
IV 900	64.8	78.3	82.2	84.1	87.5	87.5	88.6	89.1	89.7	90.1	90.2	90.2	90.2	90.2	90.3	90.4
IV 800	65.0	78.8	82.6	84.7	88.1	88.1	89.5	89.9	90.5	90.9	91.0	91.0	91.0	91.0	91.4	91.5
IV 700	65.5	79.3	83.1	85.1	88.9	89.0	90.4	90.9	91.6	92.0	92.1	92.1	92.1	92.1	92.5	92.6
IV 600	65.6	79.4	83.5	85.5	89.3	89.5	91.0	91.5	92.2	92.6	92.7	92.7	92.7	92.7	93.1	93.2
IV 500	65.7	79.6	83.8	86.0	90.3	90.5	92.3	93.2	93.9	94.4	94.5	94.5	94.5	94.5	94.9	95.0
IV 400	65.7	79.8	84.0	86.5	91.3	91.5	93.5	94.4	95.1	95.6	95.7	95.7	95.7	95.7	96.0	96.2
IV 300	65.7	79.9	84.2	86.9	92.5	92.7	95.0	96.0	96.8	97.7	97.8	97.8	97.8	97.8	98.2	98.3
IV 200	65.9	80.1	84.8	87.7	93.3	93.4	95.7	97.0	97.7	98.8	99.0	99.0	99.0	99.0	99.8	99.9
IV 100	65.9	80.1	84.8	87.7	93.3	93.5	95.8	97.1	97.8	98.9	99.2	99.2	99.2	99.2	99.9	99.9
IV 0	65.9	80.1	84.8	87.7	93.3	93.5	95.8	97.1	97.8	98.9	99.2	99.2	99.2	99.2	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	28.0	34.4	36.3	37.2	39.5	39.7	41.2	41.8	41.9	42.5	42.7	42.8	42.9	42.9	43.0	43.0
≥ 20000	30.5	37.8	39.8	40.7	43.4	43.5	45.2	45.8	45.9	46.5	46.6	46.7	46.8	46.8	47.0	47.0
≥ 18000	30.6	38.0	40.0	41.0	43.6	43.7	45.4	46.0	46.1	46.7	46.8	47.0	47.1	47.1	47.2	47.2
≥ 16000	30.6	38.0	40.0	41.0	43.6	43.7	45.4	46.0	46.1	46.7	46.8	47.0	47.1	47.1	47.2	47.2
≥ 14000	30.8	38.2	40.3	41.2	43.8	44.0	45.6	46.2	46.4	47.0	47.1	47.2	47.3	47.3	47.4	47.4
≥ 12000	31.2	38.6	40.6	41.6	44.2	44.3	46.0	46.6	46.7	47.3	47.4	47.6	47.7	47.7	47.8	47.8
≥ 10000	32.7	40.4	42.4	43.4	46.2	46.4	48.1	48.7	48.9	49.6	49.7	49.8	49.9	49.9	50.1	50.1
≥ 9000	33.3	41.1	43.1	44.1	47.0	47.1	48.9	49.5	49.6	50.3	50.5	50.7	50.8	50.8	50.9	50.9
≥ 8000	35.5	44.1	46.4	47.4	50.4	50.5	52.3	53.2	53.3	54.1	54.4	54.5	54.6	54.6	54.7	54.7
≥ 7000	37.4	46.1	48.4	49.5	52.6	52.7	54.5	55.3	55.4	56.3	56.5	56.6	56.8	56.8	56.9	56.9
≥ 6000	38.2	47.1	49.5	50.5	53.8	53.9	55.8	56.6	56.8	57.6	57.8	57.9	58.1	58.1	58.2	58.2
≥ 5000	40.0	49.1	51.7	52.8	56.0	56.2	58.1	58.9	59.0	59.9	60.1	60.2	60.3	60.3	60.5	60.5
≥ 4500	40.6	49.8	52.4	53.5	56.8	56.9	58.8	59.6	59.7	60.6	60.8	60.9	61.1	61.1	61.2	61.2
≥ 4000	46.1	57.3	60.3	61.9	66.1	66.3	68.7	69.7	69.8	70.6	70.8	71.0	71.1	71.2	71.3	71.3
≥ 3500	47.2	58.8	62.1	63.8	68.7	68.9	71.3	72.3	72.4	73.2	73.5	73.6	73.7	73.8	74.0	74.0
≥ 3000	48.6	60.6	64.4	66.1	71.2	71.4	73.8	74.8	75.1	76.0	76.2	76.3	76.5	76.6	76.7	76.7
≥ 2500	49.2	61.4	65.2	66.9	72.2	72.4	74.9	75.9	76.2	77.1	77.3	77.4	77.5	77.7	77.8	77.8
≥ 2000	50.4	62.7	66.5	68.2	73.6	73.8	76.5	77.4	77.8	78.7	79.0	79.1	79.2	79.3	79.5	79.5
≥ 1800	50.5	62.8	66.7	68.3	73.7	74.0	76.6	77.5	77.9	78.9	79.1	79.2	79.3	79.5	79.6	79.6
≥ 1500	50.9	63.4	67.5	69.3	74.9	75.1	77.8	78.7	79.1	80.0	80.3	80.4	80.5	80.6	80.8	80.8
≥ 1200	52.0	64.9	69.2	71.0	76.9	77.2	79.8	80.8	81.1	82.1	82.3	82.4	82.6	82.7	82.8	82.8
≥ 1000	53.0	66.2	70.6	72.5	78.6	78.9	81.7	82.7	83.0	84.0	84.2	84.3	84.5	84.6	84.7	84.7
≥ 900	53.2	66.3	70.7	72.8	79.0	79.2	82.1	83.0	83.4	84.3	84.6	84.7	84.8	84.9	85.1	85.1
≥ 800	53.8	67.1	71.6	73.6	79.8	80.0	83.0	84.0	84.3	85.4	85.7	85.8	86.0	86.3	86.4	86.4
≥ 700	53.9	67.4	71.8	74.2	80.4	80.6	84.2	85.3	85.7	86.9	87.3	87.5	87.7	87.9	88.1	88.1
≥ 600	54.4	68.0	72.4	75.0	81.6	81.8	85.8	86.9	87.5	88.8	89.2	89.4	89.6	89.8	90.0	90.0
≥ 500	54.4	68.1	72.5	75.5	83.0	83.8	87.7	89.1	89.8	91.4	91.9	92.0	92.4	92.6	92.7	92.7
≥ 400	54.5	68.6	73.0	76.5	84.6	85.3	89.6	91.6	92.4	94.0	94.6	94.7	95.3	95.6	95.7	95.7
≥ 300	54.5	68.7	73.4	76.9	85.3	86.0	90.8	93.0	93.7	95.8	96.5	96.7	97.3	97.7	97.8	97.8
≥ 200	54.5	68.7	73.4	76.9	86.1	86.9	91.6	93.9	94.7	97.0	97.8	98.1	98.7	99.3	99.4	99.4
≥ 100	54.5	68.7	73.4	76.9	86.1	86.9	91.6	93.9	94.7	97.0	97.8	98.2	98.8	99.6	100.0	100.0
≥ 0	54.5	68.7	73.4	76.9	86.1	86.9	91.6	93.9	94.7	97.0	97.8	98.2	98.8	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING ≥ 20000	20.8	25.7	27.3	27.9	31.3	32.2	33.3	33.9	34.2	34.6	34.6	34.7	34.8	35.0	35.0	35.0
≥ 18000	24.0	29.4	31.2	32.2	35.8	36.6	37.9	38.5	38.9	39.2	39.2	39.4	39.5	39.7	39.7	39.7
≥ 16000	24.0	29.4	31.3	32.3	35.9	36.7	38.0	38.6	39.0	39.4	39.4	39.4	39.5	39.6	39.8	39.8
≥ 14000	24.8	30.1	32.1	33.0	36.6	37.4	38.8	39.4	39.7	40.1	40.1	40.2	40.3	40.6	40.6	40.6
≥ 12000	25.2	30.7	32.8	33.9	37.6	38.5	40.0	40.6	40.9	41.3	41.3	41.4	41.5	41.7	41.7	41.7
≥ 10000	26.4	32.3	34.4	35.6	39.4	40.3	41.9	42.5	42.8	43.2	43.2	43.3	43.4	43.7	43.7	43.7
≥ 9000	27.8	33.7	36.1	37.3	41.1	42.1	43.7	44.3	44.6	45.0	45.0	45.1	45.2	45.5	45.5	45.5
≥ 8000	31.3	38.0	41.0	42.5	46.4	47.4	49.0	49.6	50.0	50.4	50.4	50.5	50.6	50.8	50.8	50.8
≥ 7000	32.3	39.0	42.0	43.4	47.4	48.3	50.1	50.7	51.1	51.4	51.4	51.6	51.7	51.9	51.9	51.9
≥ 6000	32.8	39.6	42.6	44.0	48.0	48.9	50.8	51.4	51.8	52.2	52.2	52.3	52.4	52.6	52.6	52.6
≥ 5000	34.2	41.3	44.3	45.7	49.8	50.7	52.8	53.3	53.7	54.2	54.2	54.3	54.4	54.7	54.7	54.7
≥ 4500	35.4	42.9	45.9	47.4	51.6	52.5	54.5	55.1	55.5	56.0	56.0	56.1	56.2	56.5	56.5	56.5
≥ 4000	38.3	46.2	49.6	51.7	56.8	58.0	60.3	60.9	61.2	62.0	62.2	62.3	62.4	62.8	62.8	62.8
≥ 3500	39.5	47.8	51.3	53.6	58.9	60.0	62.4	63.0	63.4	64.2	64.5	64.6	64.7	65.1	65.1	65.1
≥ 3000	40.1	48.7	52.3	54.7	60.2	61.5	63.9	64.5	64.8	65.9	66.3	66.4	66.5	66.9	66.9	66.9
≥ 2500	41.5	50.2	53.9	56.3	61.8	63.2	65.6	66.1	66.5	67.6	67.9	68.1	68.2	68.5	68.5	68.5
≥ 2000	42.7	51.6	55.4	58.1	63.8	65.1	67.5	68.1	68.4	69.9	70.2	70.3	70.5	70.8	70.8	70.8
≥ 1800	42.9	51.8	55.6	58.4	64.0	65.3	67.7	68.3	68.7	70.1	70.5	70.6	70.7	71.1	71.1	71.1
≥ 1500	44.5	53.7	57.8	60.9	67.0	68.3	70.7	71.3	71.8	73.2	73.6	73.7	73.8	74.2	74.2	74.2
≥ 1200	46.1	55.9	60.4	63.9	70.3	71.7	74.0	74.6	75.1	76.6	76.9	77.0	77.2	77.5	77.5	77.5
≥ 1000	46.3	56.5	61.2	64.7	71.4	72.7	75.1	75.8	76.4	77.9	78.2	78.3	78.5	78.8	78.8	78.8
≥ 900	46.5	56.9	61.7	65.2	71.9	73.2	75.7	76.4	77.2	78.6	78.9	79.1	79.2	79.5	79.5	79.5
≥ 800	47.4	58.6	64.0	67.6	74.8	76.1	78.7	79.4	80.1	81.6	81.9	82.1	82.2	82.5	82.5	82.5
≥ 700	47.8	59.3	64.7	68.4	75.8	77.2	79.8	81.0	81.7	83.5	83.9	84.0	84.1	84.4	84.4	84.4
≥ 600	48.1	60.0	65.7	69.5	77.5	78.9	81.7	83.0	83.7	86.0	86.4	86.5	86.6	87.0	87.0	87.0
≥ 500	48.3	60.5	66.1	70.5	79.1	80.5	83.9	85.4	86.1	88.5	88.9	89.0	89.1	89.5	89.5	89.5
≥ 400	48.4	60.6	66.3	70.7	80.0	81.7	85.5	87.4	88.3	90.9	91.4	91.5	91.9	92.2	92.2	92.2
≥ 300	48.6	60.8	66.5	70.9	80.4	82.1	86.1	89.0	90.1	93.2	93.8	93.9	94.5	95.2	95.2	95.3
≥ 200	48.6	60.8	66.5	70.9	80.6	82.3	86.6	90.1	91.5	95.1	95.8	96.1	96.8	97.8	98.0	98.1
≥ 100	48.6	60.8	66.5	70.9	80.6	82.3	86.6	90.2	91.7	95.6	96.3	96.9	97.7	99.2	99.4	99.6
≥ 0	48.6	60.8	66.5	70.9	80.6	82.3	86.6	90.2	91.7	95.6	96.3	96.9	97.7	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616G
STATION

HAHN AB DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

9900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	23.4	28.7	29.4	30.7	32.0	32.0	32.1	32.1	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000	27.4	33.2	34.1	35.4	36.8	36.8	36.9	36.9	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 18000	27.7	33.7	34.5	35.8	37.3	37.3	37.4	37.4	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 16000	27.7	33.7	34.5	35.8	37.3	37.3	37.4	37.4	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 14000	27.8	34.1	35.0	36.3	37.8	37.8	37.9	37.9	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 12000	30.0	36.2	37.2	38.5	39.9	39.9	40.0	40.0	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 10000	31.2	37.6	38.6	39.9	41.6	41.6	41.8	41.8	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 9000	32.1	38.9	39.9	41.2	42.9	42.9	43.1	43.1	43.2	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 8000	36.9	44.4	45.4	46.7	48.7	48.7	49.0	49.1	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	37.9	45.6	46.6	47.9	49.9	49.9	50.2	50.3	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 6000	38.0	45.8	46.7	48.0	50.2	50.2	50.4	50.5	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 5000	38.9	46.8	47.8	49.1	51.3	51.5	51.9	52.0	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 4500	40.5	48.4	49.3	50.7	52.8	53.0	53.4	53.5	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4000	43.7	52.3	53.5	55.0	57.6	57.8	58.3	58.4	58.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 3500	45.6	54.4	55.8	57.5	60.2	60.5	60.9	61.1	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 3000	47.9	57.1	58.7	60.5	63.3	63.6	64.0	64.3	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 2500	50.3	59.7	61.5	63.3	66.4	66.7	67.1	67.4	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2000	54.0	64.0	65.8	67.6	71.0	71.2	71.7	71.9	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 1800	54.5	64.5	66.3	68.1	71.6	71.8	72.3	72.5	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1500	57.6	68.1	70.0	71.9	76.2	76.5	77.2	77.5	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	58.7	69.7	72.2	74.4	78.9	79.1	80.2	80.6	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1000	59.9	71.2	73.8	76.3	81.0	81.2	82.4	82.9	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 900	60.2	71.6	74.2	76.8	81.5	81.7	82.9	83.4	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 800	60.8	72.4	75.7	78.7	84.2	84.6	86.1	86.6	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 700	61.5	73.1	76.6	79.8	85.5	86.0	88.2	88.6	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 600	62.0	73.6	77.2	80.5	86.5	87.0	89.5	90.0	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 500	62.0	73.7	77.3	80.8	87.3	87.8	90.6	91.2	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6
≥ 400	62.4	74.2	78.0	81.8	89.1	89.6	93.0	93.9	94.6	95.3	95.3	95.5	95.5	95.5	95.5	95.5
≥ 300	62.4	74.2	78.0	82.0	89.4	89.8	93.7	95.0	95.9	97.5	97.6	97.7	97.7	97.7	97.7	97.7
≥ 200	62.4	74.2	78.0	82.0	89.5	90.0	94.0	95.6	96.9	98.7	98.9	99.2	99.2	99.3	99.3	99.3
≥ 100	62.4	74.2	78.0	82.0	89.5	90.0	94.0	95.6	96.9	98.9	99.2	99.4	99.5	99.9	99.9	99.9
≥ 0	62.4	74.2	78.0	82.0	89.5	90.0	94.0	95.6	96.9	98.9	99.2	99.4	99.5	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

I 6163

HAHN AB DL

STATION NAME

73-81

YEAR

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	22.7	26.5	27.5	27.7	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 20000	27.8	32.3	33.2	33.7	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 18000	28.2	32.6	33.6	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 16000	28.2	32.6	33.6	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000	28.3	32.7	33.7	34.2	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 12000	30.1	34.6	35.6	36.1	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
IV 10000	32.6	37.3	38.2	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 9000	33.5	38.6	39.5	40.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 8000	37.6	43.5	44.4	44.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 7000	38.9	44.8	45.8	46.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 6000	39.1	44.9	45.9	46.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 5000	41.2	47.6	48.6	49.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 4500	44.1	50.5	51.6	52.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 4000	50.7	57.9	59.0	59.6	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 3500	54.8	62.5	63.6	64.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 3000	62.0	70.5	72.0	72.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2500	65.7	74.8	76.5	77.3	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2000	68.0	77.5	79.7	80.5	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1800	68.9	78.9	81.2	82.1	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1500	71.0	81.7	84.1	85.3	88.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1200	73.1	84.1	86.6	88.1	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	73.8	84.8	87.3	89.1	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 900	73.8	84.8	87.3	89.2	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	74.6	85.7	88.3	90.6	94.5	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	74.6	85.7	88.3	90.8	95.0	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 600	74.8	86.0	88.8	91.4	95.7	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	74.9	86.3	89.0	91.8	96.5	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	74.9	86.4	89.5	92.2	97.4	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	74.9	86.4	89.5	92.4	97.8	98.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	74.9	86.4	89.5	92.4	98.0	98.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	74.9	86.4	89.5	92.4	98.0	98.2	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	100.0
IV 0	74.9	86.4	89.5	92.4	98.0	98.2	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160

MAHN AB DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.4	29.6	30.2	30.7	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	37.6	34.4	35.0	35.6	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 18000	31.1	34.9	35.5	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
IV 16000	31.3	35.1	35.7	36.3	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV 14000	31.4	35.2	35.8	36.4	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 12000	33.0	36.9	37.5	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 10000	34.5	39.1	39.7	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 9000	36.1	40.9	41.5	42.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 8000	42.5	47.8	48.7	49.6	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 7000	44.0	49.5	50.4	51.3	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 6000	44.8	50.4	51.4	52.2	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 5000	49.0	55.2	56.3	57.1	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 4500	53.2	59.5	60.6	61.4	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 4000	62.8	69.8	71.1	71.9	73.2	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3500	68.1	75.6	77.2	78.0	79.3	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	70.6	78.3	79.9	80.8	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500	74.3	82.8	84.8	85.7	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2000	76.9	85.8	88.1	88.9	90.2	90.2	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1800	77.4	86.4	88.8	89.6	90.9	90.9	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1500	78.1	87.7	90.3	91.4	92.8	92.8	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	78.9	88.8	91.9	93.1	94.6	94.6	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	79.2	89.1	92.2	93.5	95.3	95.3	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	79.3	89.2	92.4	93.7	95.5	95.5	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	79.5	89.4	92.6	93.9	95.8	95.8	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	79.6	89.5	92.7	94.1	96.1	96.1	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	79.6	89.5	92.7	94.3	96.4	96.4	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 500	79.7	89.8	93.2	95.0	97.3	97.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	79.7	90.0	93.3	95.1	97.4	97.4	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	79.7	90.0	93.3	95.1	97.7	97.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	79.7	90.0	93.3	95.1	97.7	97.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	79.7	90.0	93.3	95.1	97.7	97.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	79.7	90.0	93.3	95.1	97.7	97.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167

HAHN AB DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEIL ≥ 20000	31.3	34.3	34.5	34.6	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV ≥ 18000	38.0	41.7	42.4	42.8	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 1600	38.4	42.2	42.9	43.2	43.8	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 14000	38.6	42.4	43.1	43.5	44.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 12000	38.8	42.7	43.4	43.7	44.3	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 10000	39.9	43.8	44.6	44.9	45.5	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 9000	42.5	46.7	47.4	47.8	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 8000	44.9	49.1	50.1	50.5	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 7000	51.4	56.0	57.0	57.5	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	54.0	59.0	60.0	60.5	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000	55.3	60.3	61.3	61.8	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 4500	60.0	65.1	66.1	66.8	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000	62.5	68.1	69.1	69.8	70.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3500	70.3	76.7	78.3	79.0	80.0	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3000	73.6	80.6	82.3	83.0	84.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2500	75.9	83.0	84.8	85.5	87.0	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	77.2	84.9	86.7	87.6	89.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1800	78.4	86.6	88.8	89.6	91.5	91.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1500	79.2	87.9	90.1	91.2	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	79.8	88.5	90.7	91.8	94.0	94.0	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0
IV 1000	80.0	88.8	91.2	92.5	95.3	95.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4
IV 900	80.2	88.9	91.3	92.6	95.5	95.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7
IV 800	80.4	89.1	91.5	92.8	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9
IV 700	80.5	89.4	91.8	93.1	95.9	95.9	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4
IV 600	80.5	89.4	91.8	93.1	95.9	95.9	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4
IV 500	80.5	89.4	91.8	93.1	96.5	96.5	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6
IV 400	80.5	89.4	91.8	93.1	97.1	97.1	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6
IV 300	80.5	89.4	91.8	93.1	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 200	80.5	89.4	91.8	93.1	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 100	80.5	89.4	91.8	93.1	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
IV 0	80.5	89.4	91.8	93.1	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167

HAHN AB DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	35.8	40.3	40.5	40.5	41.0	41.2	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	40.5	45.6	46.2	46.2	46.8	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 18000	40.6	45.8	46.4	46.4	47.0	47.2	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 16000	40.6	45.8	46.4	46.4	47.0	47.2	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 14000	40.7	45.9	46.5	46.5	47.1	47.3	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 12000	41.7	47.0	47.6	47.6	48.1	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 10000	43.8	49.5	50.1	50.1	50.7	50.9	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 9000	45.8	52.1	52.9	52.9	53.5	53.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 8000	50.5	57.9	59.1	59.1	60.1	60.3	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 7000	52.6	60.0	61.3	61.3	62.2	62.5	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 6000	53.0	60.5	61.8	61.9	62.8	63.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	57.3	64.9	66.4	66.5	67.6	67.9	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4500	59.3	66.9	68.5	68.7	70.0	70.3	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4000	65.2	73.8	76.3	76.6	78.6	78.9	79.8	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 3500	66.3	75.5	78.1	78.4	80.4	80.6	81.6	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 3000	68.5	78.5	81.6	82.3	84.3	84.6	85.7	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	69.3	79.3	82.7	83.5	85.7	85.9	87.0	87.1	87.2	87.3	87.3	87.5	87.5	87.5	87.5	87.5
IV 2000	70.1	80.3	83.8	84.7	87.0	87.2	88.6	89.1	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6
IV 1800	70.1	80.3	83.8	84.7	87.2	87.5	89.0	89.5	89.6	89.7	89.7	90.0	90.0	90.0	90.0	90.0
IV 1500	70.4	80.5	84.0	85.1	87.8	88.1	89.7	90.2	90.3	90.4	90.4	90.7	90.7	90.7	90.7	90.7
IV 1200	71.8	82.1	85.5	86.6	89.5	89.7	91.6	92.1	92.2	92.5	92.5	92.7	92.7	92.7	92.7	92.7
IV 1000	72.4	82.8	86.4	87.6	90.6	90.8	92.8	93.3	93.4	93.7	93.7	93.9	93.9	93.9	93.9	93.9
IV 900	72.4	82.8	86.4	87.6	90.7	90.9	93.0	93.4	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0
IV 800	72.5	82.9	86.5	87.8	90.9	91.2	93.2	93.7	93.8	94.0	94.0	94.3	94.3	94.3	94.3	94.3
IV 700	72.9	83.3	86.9	88.2	91.4	91.6	93.7	94.1	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7
IV 600	72.9	83.3	87.0	88.3	91.8	92.0	94.4	94.9	95.0	95.2	95.2	95.5	95.5	95.5	95.5	95.5
IV 500	72.9	83.3	87.0	88.5	92.8	93.1	95.8	96.3	96.4	96.9	96.9	97.1	97.3	97.3	97.3	97.3
IV 400	72.9	83.6	87.3	88.9	93.2	93.4	96.2	96.9	97.0	97.6	97.6	97.8	98.0	98.0	98.0	98.0
IV 300	72.9	83.6	87.3	88.9	93.4	93.7	97.0	97.7	97.7	97.8	98.6	98.6	98.8	98.9	98.9	98.9
IV 200	72.9	83.6	87.6	89.1	93.8	94.0	97.4	98.2	98.3	99.0	99.3	99.5	99.6	100.0	100.0	100.0
IV 100	72.9	83.6	87.6	89.1	93.8	94.0	97.4	98.2	98.3	99.0	99.3	99.5	99.6	100.0	100.0	100.0
IV 0	72.9	83.6	87.6	89.1	93.8	94.0	97.4	98.2	98.3	99.0	99.3	99.5	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

III

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.2	33.0	34.0	34.5	35.8	36.0	36.5	36.7	36.7	36.9	36.9	37.0	37.0	37.0	37.0	37.1
≥ 20000	32.5	38.0	39.1	39.8	41.2	41.3	41.9	42.1	42.1	42.3	42.4	42.4	42.4	42.4	42.5	42.5
IV 18000	32.8	38.2	39.4	40.1	41.5	41.6	42.2	42.3	42.4	42.6	42.6	42.7	42.7	42.7	42.7	42.8
IV 16000	32.8	38.3	39.5	40.2	41.5	41.7	42.3	42.4	42.5	42.7	42.7	42.7	42.8	42.8	42.8	42.8
IV 14000	33.0	38.5	39.8	40.4	41.8	42.0	42.5	42.7	42.7	43.0	43.0	43.0	43.0	43.1	43.1	43.1
IV 12000	34.1	39.7	41.0	41.7	43.0	43.2	43.8	43.9	44.0	44.2	44.2	44.3	44.3	44.3	44.3	44.3
IV 10000	36.0	41.9	43.2	43.9	45.3	45.5	46.1	46.3	46.4	46.6	46.6	46.6	46.7	46.7	46.7	46.7
IV 9000	37.3	43.5	44.8	45.6	47.0	47.2	47.8	48.0	48.1	48.3	48.3	48.3	48.4	48.4	48.4	48.4
IV 8000	41.8	48.8	50.3	51.1	52.9	53.0	53.7	53.9	54.0	54.2	54.3	54.3	54.3	54.4	54.4	54.4
IV 7000	43.4	50.6	52.1	52.9	54.7	54.9	55.6	55.8	55.9	56.1	56.2	56.2	56.2	56.3	56.3	56.3
IV 6000	44.0	51.2	52.8	53.6	55.5	55.7	56.4	56.6	56.7	56.9	57.0	57.0	57.0	57.1	57.1	57.1
IV 5000	46.7	54.2	55.9	56.8	58.7	58.9	59.6	59.9	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.4
IV 4500	48.8	56.4	58.1	59.0	60.9	61.1	61.9	62.2	62.2	62.5	62.5	62.5	62.6	62.6	62.6	62.6
IV 4000	54.5	63.2	65.3	66.4	68.9	69.2	70.1	70.4	70.6	70.9	70.9	71.0	71.0	71.0	71.1	71.1
IV 3500	57.0	66.0	68.3	69.5	72.2	72.5	73.5	73.8	73.9	74.2	74.3	74.3	74.3	74.4	74.4	74.4
IV 3000	59.4	68.8	71.4	72.6	75.6	75.8	76.8	77.1	77.3	77.6	77.7	77.7	77.8	77.8	77.8	77.9
IV 2500	61.2	71.0	73.6	75.0	78.0	78.3	79.3	79.6	79.8	80.1	80.2	80.3	80.3	80.4	80.4	80.4
IV 2000	62.9	73.0	75.9	77.3	80.4	80.7	81.8	82.2	82.4	82.6	82.9	82.9	83.0	83.0	83.0	83.1
IV 1800	63.2	73.4	76.3	77.7	81.0	81.2	82.4	82.8	82.9	83.3	83.4	83.5	83.5	83.6	83.6	83.6
IV 1500	64.4	75.0	78.0	79.6	83.2	83.4	84.6	85.0	85.2	85.6	85.7	85.8	85.8	85.9	85.9	85.9
IV 1200	65.6	76.4	79.7	81.4	85.3	85.5	86.8	87.3	87.5	87.9	88.0	88.0	88.1	88.1	88.2	88.2
IV 1000	66.2	77.2	80.6	82.5	86.6	86.8	88.2	88.7	88.9	89.3	89.5	89.5	89.5	89.6	89.6	89.6
IV 900	66.3	77.4	80.8	82.7	86.8	87.1	88.5	89.0	89.2	89.7	89.8	89.8	89.9	89.9	89.9	90.0
IV 800	66.7	78.0	81.6	83.7	88.0	88.3	89.8	90.3	90.5	91.0	91.1	91.2	91.2	91.3	91.3	91.4
IV 700	67.0	78.4	82.0	84.2	88.6	89.0	90.7	91.2	91.5	92.1	92.2	92.3	92.3	92.4	92.4	92.5
IV 600	67.2	78.6	82.4	84.7	89.3	89.7	91.7	92.2	92.5	93.2	93.3	93.4	93.4	93.5	93.6	93.6
IV 500	67.3	78.8	82.6	85.1	90.4	90.8	92.9	93.6	94.0	94.7	94.9	94.9	95.0	95.1	95.2	95.2
IV 400	67.4	79.1	82.9	85.6	91.3	91.7	94.1	95.0	95.4	96.2	96.4	96.5	96.6	96.8	96.8	96.8
IV 300	67.4	79.1	83.0	85.8	91.7	92.2	94.9	96.1	96.5	97.7	97.9	98.0	98.1	98.3	98.3	98.4
IV 200	67.4	79.1	83.1	85.9	92.0	92.5	95.3	96.7	97.2	98.5	98.8	98.9	99.1	99.5	99.5	99.5
IV 100	67.4	79.1	83.1	85.9	92.1	92.5	95.4	96.7	97.3	98.6	98.9	99.1	99.3	99.8	99.9	99.9
IV 0	67.4	79.1	83.1	85.9	92.1	92.5	95.4	96.7	97.3	98.6	98.9	99.1	99.3	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6693

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	42.5	48.7	52.0	53.4	55.2	55.7	56.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	46.1	52.8	56.4	58.4	60.6	61.1	61.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 18000	46.4	53.0	56.6	58.7	60.8	61.3	62.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 16000	46.4	53.0	56.6	58.7	60.8	61.3	62.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	46.4	53.0	56.6	58.7	60.8	61.3	62.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	47.0	53.6	57.2	59.3	61.4	61.9	62.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 10000	48.9	56.2	59.9	61.9	64.2	64.6	65.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000	49.2	56.5	60.2	62.2	64.5	65.0	65.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 8000	51.0	58.5	62.4	64.9	67.1	67.6	68.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 7000	51.7	59.3	63.3	65.8	68.6	69.1	69.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	51.7	59.3	63.3	65.8	68.6	69.1	69.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	52.4	60.3	64.4	67.0	69.9	70.4	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 4500	52.9	61.3	65.5	68.2	71.2	71.7	72.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	56.9	66.3	71.2	74.6	78.3	78.7	79.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3500	58.7	69.2	74.2	77.7	81.5	82.1	83.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	60.0	70.8	76.2	79.7	84.2	84.8	86.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2500	60.6	71.9	77.3	80.8	85.7	86.3	88.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	61.6	73.0	78.4	81.8	86.7	87.3	89.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	61.8	73.1	78.5	82.0	86.9	87.5	89.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500	62.0	73.4	78.7	82.2	87.1	87.7	89.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1200	62.2	73.6	79.0	82.9	87.8	88.4	90.6	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	62.5	73.8	79.2	83.3	88.2	88.9	91.5	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 900	62.5	73.8	79.2	83.3	88.2	88.9	91.5	92.8	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 800	62.5	73.8	79.5	83.6	88.8	89.5	92.4	93.7	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	62.7	74.1	79.7	83.9	89.1	89.8	92.7	94.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 600	62.8	74.2	79.9	84.1	89.5	90.3	93.3	94.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	62.8	74.2	79.9	84.2	89.6	90.4	93.5	95.1	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 400	62.8	74.4	80.2	84.5	90.0	90.8	94.1	95.7	95.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1
IV 300	62.8	74.4	80.2	84.6	90.3	91.2	94.6	96.2	96.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6
IV 200	62.8	74.4	80.2	84.6	90.3	91.2	94.6	96.2	96.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6
IV 100	62.8	74.4	80.2	84.6	90.4	91.3	94.7	96.3	96.5	98.1	98.1	98.1	98.1	98.1	98.4	98.4
IV 0	62.8	74.4	80.2	84.6	90.4	91.3	94.7	96.3	96.5	98.1	98.1	98.1	98.1	98.1	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

PERIOD

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
LOCAL TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	35.8	42.4	45.4	47.1	49.9	50.5	52.6	53.6	53.6	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	37.3	44.2	47.3	49.3	53.0	53.6	55.8	57.0	57.0	57.8	57.8	57.8	57.8	57.8	57.9	57.9
IV 18000	37.6	44.6	47.7	49.7	53.4	54.0	56.2	57.3	57.3	58.2	58.2	58.2	58.2	58.2	58.3	58.3
IV 16000	37.8	44.7	47.8	49.8	53.5	54.1	56.3	57.5	57.5	58.3	58.3	58.3	58.3	58.3	58.4	58.4
IV 14000	37.9	44.8	47.9	49.9	53.6	54.2	56.4	57.6	57.6	58.4	58.4	58.4	58.4	58.4	58.5	58.5
IV 12000	38.2	45.3	48.4	50.5	54.2	54.8	57.0	58.2	58.2	59.0	59.0	59.0	59.0	59.0	59.1	59.1
IV 10000	39.4	46.8	50.2	52.4	56.6	57.2	59.4	60.6	60.6	61.4	61.4	61.4	61.4	61.4	61.5	61.5
IV 9000	40.4	47.9	51.3	53.5	57.7	58.3	60.5	61.6	61.6	62.5	62.5	62.5	62.5	62.5	62.6	62.6
IV 8000	41.7	49.5	53.0	55.6	60.6	61.2	63.4	64.6	64.6	65.5	65.5	65.5	65.5	65.5	65.6	65.7
IV 7000	41.7	49.6	53.3	55.8	61.3	61.9	64.3	65.5	65.5	66.3	66.3	66.3	66.3	66.3	66.4	66.5
IV 6000	41.9	49.9	53.6	56.2	61.8	62.4	64.8	65.9	65.9	66.8	66.8	66.8	66.8	66.8	66.9	67.0
IV 5000	42.5	50.9	54.6	57.1	63.7	63.6	66.5	67.7	67.7	68.6	68.6	68.6	68.6	68.6	68.7	68.8
IV 4500	43.8	52.4	56.3	58.9	64.9	65.5	68.6	69.9	69.9	70.8	70.8	70.8	70.8	70.8	71.0	71.1
IV 4000	45.9	54.8	59.6	62.8	69.8	70.4	73.5	74.8	74.8	75.7	75.7	75.7	75.7	75.9	76.0	76.1
IV 3500	47.6	56.9	61.9	65.5	72.8	73.4	76.6	78.1	78.3	79.2	79.2	79.2	79.2	79.3	79.5	79.6
IV 3000	48.1	57.7	62.8	66.5	74.4	75.1	78.7	80.3	80.4	81.5	81.5	81.5	81.5	81.6	81.7	81.8
IV 2500	48.7	58.3	63.6	67.3	75.3	76.0	80.0	81.6	81.7	82.8	82.8	82.8	82.8	82.9	83.0	83.2
IV 2000	49.3	59.4	64.6	68.3	76.6	77.3	81.4	83.0	83.2	84.2	84.2	84.2	84.2	84.3	84.5	84.6
IV 1800	49.6	59.6	64.9	68.6	76.9	77.7	81.7	83.4	83.5	84.6	84.6	84.6	84.6	84.7	84.8	84.9
IV 1500	49.8	60.2	65.5	69.2	77.7	78.4	82.7	84.3	84.5	85.5	85.5	85.5	85.5	85.7	85.8	85.9
IV 1200	50.5	61.3	67.0	70.8	79.7	80.4	84.8	86.5	86.6	87.7	87.7	87.7	87.7	87.8	87.9	88.1
IV 1000	50.7	61.4	67.1	71.0	79.8	80.5	85.5	87.5	87.6	88.6	88.6	88.6	88.6	88.8	88.9	89.0
IV 900	50.9	61.4	67.1	71.0	79.8	80.5	85.5	87.5	87.6	88.6	88.6	88.6	88.6	88.8	88.9	89.0
IV 800	50.9	61.6	67.4	71.6	80.5	81.2	86.3	88.2	88.4	89.5	89.5	89.5	89.5	89.6	89.7	89.8
IV 700	51.4	62.2	68.1	72.3	81.5	82.2	87.5	89.4	89.6	90.8	90.9	90.9	90.9	91.2	91.3	91.4
IV 600	51.4	62.2	68.1	72.3	81.6	82.3	87.6	89.7	90.0	91.8	91.9	91.9	91.9	92.1	92.2	92.4
IV 500	51.4	62.4	68.3	72.5	82.0	82.7	88.1	90.6	90.9	93.0	93.1	93.1	93.1	93.4	93.5	93.5
IV 400	51.4	62.5	68.6	72.9	82.6	83.3	88.9	91.4	91.8	93.9	94.0	94.0	94.0	94.3	94.4	94.5
IV 300	51.4	62.5	68.6	72.9	82.8	83.5	89.4	92.2	92.6	95.2	95.6	95.6	95.6	96.3	97.0	97.3
IV 200	51.4	62.5	68.6	72.9	82.8	83.5	89.6	92.5	93.0	95.7	96.2	96.3	96.3	97.1	98.1	98.6
IV 100	51.4	62.5	68.6	72.9	82.8	83.5	89.6	92.5	93.0	95.7	96.2	96.3	96.3	97.1	98.2	99.4
IV 0	51.4	62.5	68.6	72.9	82.8	83.5	89.6	92.5	93.0	95.8	96.3	96.4	97.3	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.1	34.1	35.9	36.8	39.8	40.4	43.0	44.1	44.5	45.4	45.6	45.8	45.8	45.9	46.3	46.3
≥ 20000	29.6	36.0	37.8	39.1	42.3	43.0	46.2	47.5	47.8	49.2	49.3	49.5	49.6	49.8	50.1	50.1
≥ 18000	29.7	36.1	38.0	39.3	42.6	43.3	46.4	47.7	48.1	49.4	49.5	49.8	49.9	50.0	50.4	50.4
≥ 16000	29.7	36.1	38.0	39.3	42.6	43.3	46.4	47.7	48.1	49.4	49.5	49.8	49.9	50.0	50.4	50.4
≥ 14000	29.9	36.2	38.1	39.6	43.0	43.8	47.0	48.4	48.8	50.1	50.2	50.5	50.8	51.1	51.4	51.4
≥ 12000	30.3	36.9	38.8	40.3	43.8	44.5	47.7	49.2	49.5	50.8	51.0	51.2	51.6	51.8	52.2	52.2
≥ 10000	31.3	38.0	39.9	41.7	45.3	46.0	49.4	51.2	51.7	53.0	53.1	53.4	53.7	54.0	54.3	54.3
≥ 9000	33.0	39.9	42.0	44.0	47.8	48.6	51.9	53.7	54.2	55.6	55.8	56.0	56.4	56.6	57.0	57.0
≥ 8000	35.9	42.9	45.4	47.7	52.0	52.8	56.4	58.4	58.9	60.6	60.7	60.9	61.3	61.5	61.9	61.9
≥ 7000	36.5	43.8	46.4	48.7	53.2	54.0	58.0	60.2	60.7	62.4	62.5	62.7	63.2	63.4	63.8	63.8
≥ 6000	36.9	44.4	47.0	49.3	53.8	54.6	58.6	60.8	61.3	62.9	63.1	63.3	63.8	64.0	64.4	64.4
≥ 5000	37.3	44.8	47.5	49.9	54.4	55.2	59.6	62.1	62.7	64.6	64.7	65.0	65.5	65.7	66.1	66.1
≥ 4500	38.7	46.4	49.0	51.4	56.1	56.8	6.3	63.8	64.4	66.3	66.4	66.7	67.1	67.4	67.7	67.7
≥ 4000	40.6	48.9	52.2	54.9	60.0	60.7	65.7	68.3	69.1	71.1	71.2	71.6	72.1	72.4	72.8	72.9
≥ 3500	41.1	49.6	53.0	55.8	60.9	61.8	66.8	69.4	70.1	72.2	72.3	72.7	73.1	73.5	73.9	74.0
≥ 3000	42.6	51.1	54.6	57.3	62.7	63.7	68.8	71.5	72.3	74.3	74.6	74.9	75.4	75.8	76.1	76.3
≥ 2500	42.7	51.7	55.2	57.9	63.3	64.3	69.8	72.5	73.4	75.5	75.8	76.1	76.6	77.0	77.3	77.5
≥ 2000	43.5	52.6	56.2	59.4	64.7	65.7	71.7	74.6	75.5	77.8	78.1	78.4	78.9	79.3	79.6	79.7
≥ 1800	43.5	52.6	56.2	59.5	64.9	65.8	71.8	74.7	75.7	77.9	78.2	78.5	79.0	79.4	79.7	79.9
≥ 1500	44.6	53.7	57.4	60.7	66.1	67.0	73.1	76.0	77.0	79.5	79.7	80.1	80.6	80.9	81.3	81.4
≥ 1200	45.3	54.7	58.4	61.6	67.4	68.3	74.8	77.8	78.8	81.3	81.5	81.9	82.5	82.9	83.2	83.3
≥ 1000	45.6	55.3	59.0	62.2	68.1	69.1	75.7	78.7	79.7	82.4	82.6	83.0	83.6	83.9	84.3	84.4
≥ 900	45.6	55.3	59.2	62.5	68.5	69.4	76.0	79.0	80.2	82.9	83.1	83.5	84.1	84.4	84.8	84.9
≥ 800	45.6	55.3	59.4	62.7	69.2	70.1	76.9	80.0	81.2	83.9	84.2	84.5	85.1	85.5	85.9	86.0
≥ 700	45.7	55.5	60.0	63.3	70.1	71.1	78.2	81.3	82.5	85.5	85.9	86.3	86.9	87.3	87.6	87.8
≥ 600	45.8	55.8	60.2	63.7	70.7	71.7	78.9	82.1	83.3	86.3	86.7	87.2	87.8	88.2	88.6	88.7
≥ 500	45.8	55.9	60.8	64.4	71.6	72.5	79.9	83.2	84.4	87.6	88.0	88.6	89.4	89.9	90.3	90.4
≥ 400	45.9	56.0	61.2	64.7	72.1	73.0	80.5	83.9	85.1	89.2	89.6	90.2	91.0	91.6	92.0	92.1
≥ 300	45.9	56.3	61.2	64.9	72.4	73.4	81.3	84.9	86.3	91.1	91.6	92.3	93.9	95.0	95.6	95.7
≥ 200	45.9	56.0	61.2	64.9	72.4	73.4	81.4	85.3	86.7	91.8	92.6	93.3	95.2	96.5	97.4	97.8
≥ 100	45.9	56.0	61.2	64.9	72.4	73.4	81.5	85.5	86.9	92.1	92.8	93.8	95.7	97.6	98.9	99.5
≥ 50	45.9	56.0	61.2	64.9	72.4	73.4	81.5	85.5	86.9	92.1	92.8	93.8	95.7	97.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 634

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5162

HAHN AB DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

9900-1100

CEILING FEET	VISIBILITY STAT IN MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	29.5	34.7	37.0	38.6	41.5	41.5	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	33.3	39.8	42.6	44.5	47.8	47.8	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 18000	33.5	40.2	43.2	45.1	48.4	48.4	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	33.5	40.2	43.2	45.1	48.4	48.4	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	33.7	40.7	43.7	45.6	48.9	48.9	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	34.3	41.4	44.5	46.4	49.9	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	36.0	43.2	46.3	48.3	51.8	51.8	52.3	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	38.0	45.2	48.4	50.5	54.2	54.2	54.7	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 8000	40.3	47.6	51.1	53.2	57.1	57.1	57.5	57.8	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000	40.9	48.2	51.8	53.9	57.8	57.8	58.3	58.5	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 6000	41.3	48.6	52.2	54.3	58.1	58.1	58.6	58.9	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	42.1	49.6	53.3	55.7	59.7	59.7	60.2	60.4	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4500	42.8	50.6	54.4	56.8	60.8	60.8	61.2	61.5	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	44.9	53.1	57.3	59.9	64.0	64.0	64.8	65.1	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3500	46.4	54.8	59.1	61.7	66.3	66.3	67.1	67.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3000	48.4	57.3	61.8	64.5	69.1	69.1	70.0	70.3	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2500	49.4	58.6	63.4	66.1	71.1	71.1	71.9	72.2	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 2000	51.6	61.1	66.1	68.9	74.2	74.2	75.1	75.5	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1800	52.0	61.7	66.7	69.5	74.8	74.8	75.7	76.1	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	54.2	64.2	69.5	72.4	78.3	78.3	79.4	79.9	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1200	55.9	66.9	72.2	75.5	81.8	81.8	83.1	83.6	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1000	56.3	67.5	72.8	76.3	82.9	82.9	84.4	85.0	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	56.6	67.8	73.3	76.9	84.0	84.0	85.6	86.2	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	57.3	68.9	74.4	78.0	85.9	85.9	87.7	88.5	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	57.5	69.1	74.6	78.2	86.4	86.4	88.3	89.1	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600	58.0	69.7	75.2	79.1	87.4	87.6	89.7	90.8	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	58.0	70.0	75.5	79.7	88.5	88.6	90.9	92.2	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 400	58.0	70.0	75.6	79.8	88.9	89.0	91.4	92.7	93.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 300	58.0	70.0	75.6	80.1	89.6	89.7	92.1	93.5	94.7	96.7	96.7	96.8	96.8	97.0	97.1	97.1
≥ 200	58.0	70.0	75.6	80.1	89.7	89.8	92.5	94.3	95.6	97.6	97.8	98.0	98.6	98.8	99.0	99.0
≥ 100	58.0	70.0	75.6	80.1	89.7	89.8	92.5	94.4	95.8	98.1	98.3	98.6	99.2	99.5	99.8	99.8
≥ 0	58.0	70.0	75.6	80.1	89.7	89.8	92.5	94.4	95.8	98.3	98.6	98.8	99.4	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6165
STATION

HAHN AB DL

STATION NAME

73-81

FAV

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	32.5	36.9	37.9	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	39.5	45.0	46.4	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000	40.0	45.6	47.0	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000	40.0	45.6	47.0	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	40.5	46.1	47.4	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	40.7	46.6	47.9	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000	43.0	49.1	50.4	50.9	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	44.3	51.3	52.7	53.2	53.6	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 8000	47.0	54.5	56.2	56.6	57.3	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	47.3	54.8	56.5	57.0	57.7	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	47.4	55.1	56.8	57.2	57.9	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 5000	48.6	56.4	58.1	58.7	59.5	59.5	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 4500	50.2	58.2	60.0	60.6	61.4	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4000	55.4	63.7	65.6	66.3	67.3	67.3	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	59.6	68.3	70.3	71.0	71.9	71.9	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 3000	65.1	74.9	76.9	77.7	78.7	78.7	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500	68.0	78.4	80.6	81.4	82.4	82.4	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	69.3	80.2	82.4	83.3	84.6	84.6	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800	69.7	80.6	83.0	83.9	85.3	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	70.7	82.1	84.7	86.5	88.2	88.2	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1200	71.6	83.0	85.8	87.8	89.6	89.6	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1000	72.8	84.7	87.6	89.7	91.6	91.6	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 900	72.8	84.7	87.6	89.7	91.8	91.8	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	73.0	84.9	87.9	90.2	92.5	92.5	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	73.2	85.5	88.5	90.8	93.5	93.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	73.2	85.7	88.6	90.9	93.7	93.7	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 500	73.2	85.9	88.9	91.5	94.6	94.7	95.8	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	73.2	85.9	89.0	91.6	95.1	95.2	96.5	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300	73.4	86.0	89.1	91.9	95.7	95.8	97.1	97.8	98.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	73.4	86.0	89.1	91.9	95.7	95.8	97.1	97.8	98.1	99.4	99.5	99.6	99.6	99.8	99.8	99.8
≥ 100	73.4	86.0	89.1	91.9	95.7	95.8	97.1	97.8	98.1	99.6	99.8	99.9	99.9	100.0	100.0	100.0
≥ 0	73.4	86.0	89.1	91.9	95.7	95.8	97.1	97.8	98.1	99.6	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC

FORM 1-64

3-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1701

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO FILING	35.1	38.1	39.5	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	42.8	46.6	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	43.1	46.8	48.5	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	43.1	47.0	48.6	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000	43.5	47.3	49.0	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	44.2	48.0	49.7	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	47.1	51.6	53.6	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 9000	49.1	54.1	56.5	56.8	57.3	57.3	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	53.6	59.4	61.9	62.1	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	54.8	60.6	63.1	63.3	63.9	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 6000	55.1	60.8	63.3	63.6	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	57.6	63.8	66.3	66.5	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500	60.3	66.9	69.5	69.8	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	67.6	75.1	77.9	78.1	79.1	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	70.7	78.6	81.6	81.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	72.9	82.0	85.3	85.8	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	74.4	84.1	87.5	87.9	89.2	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	75.7	85.5	89.1	90.0	91.6	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	76.1	86.0	89.6	90.4	92.1	92.2	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	76.5	86.5	90.1	90.9	92.7	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	76.9	87.3	91.2	92.0	94.0	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	77.1	87.5	91.6	92.6	94.6	94.9	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	77.1	87.5	91.6	92.7	94.9	95.1	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	77.2	87.8	92.1	93.4	95.7	95.9	96.4	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	77.3	87.9	92.4	93.8	96.2	96.4	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	77.5	88.2	92.6	94.0	96.5	96.8	97.4	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	77.5	88.4	92.8	94.3	97.1	97.4	98.0	98.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	77.5	88.4	92.8	94.4	97.4	97.6	98.2	98.4	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	77.5	88.4	92.8	94.6	97.6	97.8	98.6	98.8	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	77.5	88.4	92.8	94.6	97.6	97.8	98.6	98.8	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	77.5	88.4	92.8	94.6	97.6	97.8	98.7	98.9	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.5	88.4	92.8	94.6	97.6	97.8	98.7	98.9	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-216C

HAHN AB DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	40.7	45.0	46.2	46.4	46.7	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	48.3	53.8	55.5	55.7	56.3	56.3	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	48.7	54.2	55.9	56.1	56.7	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	48.7	54.2	55.9	56.1	56.7	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	48.9	54.4	56.1	56.3	56.9	56.9	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	50.2	55.7	57.4	57.7	58.4	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	52.3	58.5	60.2	60.6	62.1	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	54.3	60.8	62.6	63.2	65.0	65.0	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	58.6	66.0	67.9	68.5	70.3	70.3	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	60.6	68.3	70.2	70.8	72.6	72.6	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 6000	61.0	68.9	70.8	71.4	73.2	73.2	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	63.6	72.1	74.0	74.8	76.7	76.7	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	65.8	74.9	76.8	77.6	79.5	79.5	80.0	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000	70.5	80.1	82.1	83.0	85.2	85.2	85.8	85.9	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500	73.0	83.5	85.9	86.8	89.4	89.4	90.0	90.1	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000	74.4	85.2	87.7	88.8	91.5	91.5	92.1	92.2	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2500	75.0	86.0	88.5	89.6	92.5	92.5	93.1	93.3	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	75.7	86.7	89.4	90.4	93.4	93.4	94.0	94.5	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	75.8	87.0	89.6	90.7	93.7	93.7	94.3	94.7	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	75.8	87.1	89.7	90.9	93.9	93.9	94.5	95.0	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	76.0	87.2	90.1	91.3	94.5	94.5	95.1	95.6	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	76.0	87.4	90.3	91.6	95.2	95.2	95.9	96.4	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	76.0	87.6	90.4	91.7	95.3	95.3	96.1	96.5	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	76.0	87.7	90.7	92.0	95.6	95.6	96.3	96.8	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	76.0	87.7	90.7	92.0	95.7	95.7	96.4	96.9	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	76.0	87.7	90.7	92.0	95.7	95.7	96.4	96.9	97.1	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	76.0	87.7	90.9	92.2	95.9	95.9	96.9	97.4	97.6	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	76.0	87.7	90.9	92.3	96.1	96.1	97.1	97.8	98.1	98.9	99.0	99.3	99.3	99.3	99.3	99.3
≥ 300	76.0	87.7	90.9	92.3	96.1	96.1	97.4	98.2	98.4	99.3	99.4	99.8	99.8	99.8	99.8	99.8
≥ 200	76.0	87.7	90.9	92.3	96.1	96.1	97.4	98.2	98.4	99.3	99.4	99.8	99.8	99.8	99.8	99.8
≥ 100	76.0	87.7	90.9	92.3	96.1	96.1	97.4	98.3	98.6	99.4	99.5	99.9	100.0	100.0	100.0	100.0
≥ 0	76.0	87.7	90.9	92.3	96.1	96.1	97.4	98.3	98.6	99.4	99.5	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 8160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

ANG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATISTICS																
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	44.3	49.8	52.0	53.2	54.0	54.0	54.6	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8
≥ 20000	49.6	56.4	59.4	60.9	62.1	62.1	62.8	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1
IV 18000	50.1	56.9	59.9	61.4	62.6	62.6	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6
IV 16000	50.1	56.9	59.9	61.4	62.6	62.6	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6
IV 14000	50.1	56.9	59.9	61.4	62.6	62.6	63.3	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6
IV 12000	51.3	58.2	61.2	62.7	64.2	64.2	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1
IV 10000	52.6	59.9	62.8	64.4	66.3	66.3	67.0	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3
IV 9000	53.5	60.8	63.8	65.4	67.5	67.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7
IV 8000	56.3	64.0	67.0	68.8	71.2	71.3	72.2	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6
IV 7000	57.1	65.0	68.2	70.0	72.5	72.6	73.7	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2
IV 6000	57.8	65.8	69.1	70.8	73.4	73.5	74.6	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0
IV 5000	59.1	67.7	71.1	72.9	75.5	75.6	77.1	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8
IV 4500	60.2	68.8	72.2	74.0	76.8	76.9	78.4	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1
IV 4000	64.9	74.3	77.8	79.7	82.8	82.9	84.6	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4
IV 3500	66.9	76.7	80.2	82.1	85.3	85.4	87.2	87.8	87.8	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	68.9	79.0	82.9	84.9	88.3	88.4	90.2	90.8	90.8	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	69.5	79.7	83.6	85.7	89.1	89.2	91.0	91.6	91.6	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
IV 2000	70.1	80.8	84.8	87.0	90.4	90.6	92.5	93.2	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7
IV 1800	70.4	81.0	85.1	87.5	90.9	91.0	93.0	93.7	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	70.6	81.5	85.8	88.3	92.0	92.1	94.0	94.7	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	70.6	81.5	86.0	88.6	92.5	92.6	94.7	95.6	95.6	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	70.6	81.5	86.0	88.8	92.6	92.7	95.5	96.5	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 900	70.6	81.5	86.0	88.8	92.6	92.7	95.5	96.5	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 800	70.6	81.5	86.1	88.9	92.8	93.0	95.7	96.8	96.8	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	70.7	81.6	86.3	89.0	93.0	93.1	95.8	96.9	96.9	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 600	70.7	81.6	86.3	89.1	93.1	93.2	95.9	97.0	97.0	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	70.7	81.6	86.3	89.1	93.1	93.2	96.1	97.4	97.4	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.2
IV 400	70.7	81.6	86.3	89.1	93.1	93.2	96.1	97.4	97.4	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4
IV 300	70.7	81.6	86.3	89.1	93.1	93.2	96.2	97.5	97.5	98.3	98.3	98.8	99.3	99.4	99.4	99.4	99.4
IV 200	70.7	81.6	86.3	89.1	93.1	93.2	96.2	97.6	97.6	98.7	98.7	99.2	99.6	99.8	99.8	99.8	99.8
IV 100	70.7	81.6	86.3	89.1	93.1	93.2	96.2	97.6	97.6	98.7	98.7	99.4	99.9	100.0	100.0	100.0	100.0
IV 0	70.7	81.6	86.3	89.1	93.1	93.2	96.2	97.6	97.6	98.7	98.7	99.4	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO. CEILING	36.1	41.2	43.2	44.2	45.7	45.9	46.7	47.2	47.2	47.4	47.5	47.5	47.5	47.5	47.6	47.6
≥ 20000	40.8	46.8	49.2	50.4	52.3	52.5	53.4	53.9	54.0	54.2	54.2	54.3	54.3	54.3	54.4	54.4
≥ 18000	41.1	47.2	49.6	50.8	52.7	52.9	53.8	54.3	54.3	54.6	54.6	54.7	54.7	54.7	54.8	54.8
≥ 16000	41.2	47.2	49.6	50.8	52.7	52.9	53.8	54.3	54.4	54.6	54.7	54.7	54.7	54.7	54.8	54.8
≥ 14000	41.4	47.4	49.8	51.1	53.0	53.2	54.1	54.6	54.7	54.9	55.0	55.0	55.0	55.1	55.1	55.1
≥ 12000	42.0	48.2	50.7	51.9	53.8	54.1	55.0	55.5	55.6	55.8	55.8	55.9	55.9	56.0	56.0	56.0
≥ 10000	43.8	50.4	52.9	54.3	56.5	56.7	57.7	58.3	58.4	58.7	58.7	58.7	58.8	58.8	58.9	58.9
≥ 9000	45.2	52.1	54.7	56.1	58.5	58.7	59.7	60.3	60.4	60.7	60.7	60.7	60.8	60.8	60.9	60.9
≥ 8000	48.0	55.3	58.1	59.7	62.3	62.5	63.6	64.2	64.3	64.7	64.7	64.8	64.8	64.8	64.9	64.9
≥ 7000	48.8	56.2	59.1	60.7	63.5	63.7	64.9	65.5	65.6	66.0	66.0	66.1	66.1	66.2	66.2	66.2
≥ 6000	49.1	56.6	59.5	61.1	63.9	64.1	65.3	66.0	66.1	66.4	66.4	66.5	66.6	66.6	66.7	66.7
≥ 5000	50.4	58.2	61.2	62.8	65.8	66.0	67.4	68.1	68.2	68.6	68.6	68.7	68.7	68.8	68.9	68.9
≥ 4500	51.9	59.9	63.0	64.7	67.7	67.9	69.3	70.1	70.2	70.6	70.6	70.7	70.7	70.8	70.8	70.8
≥ 4000	55.8	64.6	68.0	69.9	73.3	73.5	75.2	76.0	76.1	76.6	76.6	76.6	76.7	76.8	76.8	76.8
≥ 3500	58.0	67.2	70.8	72.8	76.4	76.6	78.3	79.2	79.3	79.8	79.9	79.9	80.0	80.0	80.1	80.1
≥ 3000	60.1	69.8	73.5	75.7	79.5	79.8	81.6	82.5	82.7	83.2	83.3	83.3	83.4	83.5	83.5	83.5
≥ 2500	61.1	71.1	75.0	77.1	81.1	81.4	83.3	84.2	84.4	84.9	85.0	85.0	85.1	85.2	85.2	85.2
≥ 2000	62.1	72.4	76.4	78.6	82.8	83.1	85.1	86.1	86.3	86.9	86.9	87.0	87.0	87.1	87.2	87.2
≥ 1800	62.4	72.7	76.7	79.0	83.2	83.5	85.5	86.5	86.7	87.3	87.3	87.4	87.4	87.5	87.6	87.6
≥ 1500	63.0	73.6	77.7	80.1	84.5	84.8	86.9	87.8	88.1	88.7	88.7	88.8	88.9	88.9	89.0	89.0
≥ 1200	63.6	74.4	78.7	81.3	85.9	86.3	88.5	89.5	89.7	90.4	90.4	90.4	90.5	90.6	90.7	90.7
≥ 1000	63.9	74.9	79.2	81.9	86.6	87.0	89.5	90.6	90.9	91.6	91.6	91.7	91.8	91.8	91.9	91.9
≥ 900	64.0	75.0	79.3	82.1	86.9	87.2	89.8	90.9	91.1	91.9	91.9	92.0	92.0	92.1	92.2	92.2
≥ 800	64.1	75.2	79.7	82.6	87.6	88.0	90.6	91.8	92.0	92.8	92.8	92.9	93.0	93.0	93.1	93.1
≥ 700	64.3	75.5	80.0	82.9	88.2	88.5	91.3	92.4	92.7	93.5	93.6	93.6	93.8	93.8	93.9	93.9
≥ 600	64.4	75.6	80.2	83.2	88.5	88.9	91.7	92.9	93.2	94.1	94.2	94.3	94.4	94.5	94.5	94.6
≥ 500	64.4	75.8	80.4	83.5	89.1	89.4	92.4	93.8	94.2	95.2	95.3	95.5	95.6	95.7	95.7	95.8
≥ 400	64.5	75.8	80.6	83.7	89.4	89.8	92.9	94.3	94.7	96.0	96.1	96.2	96.4	96.5	96.6	96.6
≥ 300	64.5	75.8	80.6	83.8	89.7	90.1	93.3	94.9	95.4	97.1	97.3	97.5	97.8	98.3	98.4	98.4
≥ 200	64.5	75.8	80.6	83.8	89.7	90.1	93.4	95.1	95.6	97.5	97.7	98.0	98.5	99.0	99.2	99.3
≥ 100	64.5	75.8	80.6	83.8	89.7	90.1	93.5	95.2	95.7	97.7	97.9	98.3	98.8	99.4	99.8	99.9
≥ 0	64.5	75.8	80.6	83.8	89.7	90.1	93.5	95.2	95.7	97.7	98.0	98.3	98.8	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6691

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160

HAHN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.9	38.4	41.8	43.8	47.6	48.1	50.1	50.8	50.9	51.3	51.4	51.4	51.5	51.8	51.8	51.8
≥ 20000	33.7	40.5	44.7	47.1	51.2	51.8	54.3	55.0	55.1	55.6	55.7	55.7	55.9	56.1	56.1	56.2
IV 18000	33.7	40.5	44.7	47.1	51.2	51.8	54.3	55.0	55.1	55.6	55.7	55.7	55.9	56.1	56.1	56.2
IV 16000	34.0	40.8	45.0	47.3	51.4	52.0	54.5	55.3	55.4	55.9	56.0	56.0	56.1	56.4	56.4	56.5
IV 14000	34.2	41.0	45.2	47.6	51.7	52.3	54.8	55.5	55.6	56.1	56.2	56.2	56.4	56.6	56.6	56.7
IV 12000	34.7	41.5	45.7	48.1	52.2	52.8	55.4	56.1	56.2	56.7	56.9	56.9	57.0	57.2	57.2	57.4
IV 10000	35.6	42.4	46.6	48.9	53.0	53.8	56.5	57.2	57.4	57.8	58.0	58.0	58.1	58.5	58.5	58.6
IV 9000	36.1	43.0	47.2	49.6	53.8	54.5	57.2	58.0	58.1	58.7	58.8	58.8	59.0	59.3	59.3	59.5
IV 8000	37.9	45.1	49.8	52.5	57.2	58.1	60.8	61.6	61.7	62.3	62.4	62.4	62.7	63.3	63.3	63.4
IV 7000	38.9	46.1	50.8	53.5	58.2	59.1	61.8	62.5	62.7	63.3	63.4	63.4	63.7	64.3	64.3	64.4
IV 6000	40.0	47.3	52.0	54.8	59.5	60.3	63.0	63.8	63.9	64.5	64.6	64.6	64.9	65.5	65.5	65.6
IV 5000	41.4	49.1	53.9	56.6	61.7	62.5	65.5	66.3	66.4	67.0	67.1	67.1	67.4	68.0	68.0	68.1
IV 4500	42.4	50.3	55.3	58.0	63.0	63.9	66.9	67.6	67.7	68.4	68.5	68.5	68.7	69.3	69.3	69.5
IV 4000	46.8	56.2	61.3	64.0	69.3	70.3	73.3	74.0	74.2	74.8	74.9	74.9	75.2	75.8	75.8	75.9
IV 3500	48.8	58.6	63.7	66.4	71.9	72.9	76.3	77.0	77.1	77.8	77.9	77.9	78.1	78.7	78.7	78.9
IV 3000	50.6	60.4	65.6	68.5	74.3	75.3	78.7	79.6	79.7	80.3	80.5	80.5	80.7	81.3	81.3	81.5
IV 2500	51.4	61.6	66.9	69.8	75.9	76.9	80.3	81.2	81.3	82.0	82.1	82.1	82.3	82.9	82.9	83.1
IV 2000	52.2	62.3	67.6	70.6	76.9	77.9	81.5	82.3	82.4	83.1	83.2	83.2	83.4	84.1	84.1	84.2
IV 1800	52.4	62.7	68.0	71.0	77.4	78.4	82.0	82.8	82.9	83.6	83.7	83.7	83.9	84.5	84.5	84.7
IV 1500	53.4	63.9	69.2	72.4	78.9	79.9	83.4	84.3	84.4	85.0	85.2	85.2	85.4	86.0	86.0	86.2
IV 1200	54.4	64.8	70.3	73.7	80.5	81.5	85.0	85.9	86.2	86.9	87.0	87.0	87.3	87.9	87.9	88.0
IV 1000	54.4	65.5	71.1	74.4	81.2	82.2	85.9	86.9	87.1	87.9	88.0	88.0	88.3	88.9	88.9	89.0
IV 900	54.4	65.5	71.1	74.4	81.2	82.2	86.0	87.0	87.3	88.0	88.1	88.1	88.4	89.0	89.0	89.1
IV 800	54.6	65.8	71.3	74.7	81.6	82.6	86.4	87.4	87.6	88.4	88.5	88.5	88.8	89.4	89.4	89.5
IV 700	54.6	66.0	71.6	75.0	82.3	83.6	87.5	88.5	88.8	89.6	89.7	89.7	90.0	90.6	90.6	90.7
IV 600	54.8	66.3	71.8	75.3	83.3	84.5	89.1	90.5	90.7	91.6	91.7	92.1	92.3	93.0	93.0	93.1
IV 500	54.8	66.3	71.8	75.3	83.3	84.5	89.2	90.7	91.0	92.2	92.5	93.0	93.3	93.9	93.9	94.1
IV 400	54.8	66.3	71.8	75.3	83.3	84.5	89.7	91.5	91.8	93.2	93.4	94.1	94.6	95.2	95.2	95.3
IV 300	54.8	66.3	71.8	75.3	83.8	85.0	90.0	92.0	92.3	94.1	94.3	94.9	95.4	96.0	96.0	96.2
IV 200	54.8	66.3	71.8	75.3	83.8	85.0	90.0	92.5	92.8	95.1	95.4	96.2	97.0	98.1	98.1	98.3
IV 100	55.1	66.6	72.2	75.6	84.2	85.4	90.4	92.8	93.2	95.4	95.8	96.5	97.5	98.6	98.6	99.5
IV 0	55.1	66.6	72.2	75.6	84.2	85.4	90.4	92.8	93.2	95.4	95.8	96.5	97.7	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 809

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-163

HAHN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.5	35.1	38.1	38.9	42.6	43.6	46.5	47.5	47.8	49.3	49.7	49.8	49.8	50.6	50.9	51.2
≥ 20000	30.7	36.5	39.6	40.4	44.5	45.7	48.8	49.8	50.2	51.7	52.0	52.2	52.2	52.9	53.3	53.5
≥ 18000	30.7	36.5	39.6	40.4	44.5	45.7	48.8	49.8	50.2	51.7	52.0	52.2	52.2	52.9	53.3	53.5
≥ 16000	30.7	36.5	39.6	40.4	44.5	45.7	48.8	49.8	50.2	51.7	52.0	52.2	52.2	52.9	53.3	53.5
≥ 14000	30.7	36.5	39.6	40.4	44.5	45.7	48.8	49.8	50.2	51.7	52.0	52.2	52.2	52.9	53.3	53.5
≥ 12000	30.8	37.0	40.0	40.9	45.0	46.2	49.4	50.6	50.9	52.4	52.8	52.9	52.9	53.6	54.0	54.3
≥ 10000	30.9	37.1	40.2	41.0	45.2	46.5	49.7	50.8	51.3	52.8	53.2	53.3	53.3	54.0	54.4	54.6
≥ 9000	31.5	37.7	40.9	41.8	46.0	47.3	50.7	51.8	52.3	53.8	54.1	54.3	54.3	55.0	55.4	55.6
≥ 8000	32.6	39.2	42.4	43.4	48.2	49.6	53.0	54.3	54.8	56.2	56.6	56.7	56.7	57.6	58.0	58.2
≥ 7000	33.0	39.6	42.8	43.8	48.7	50.1	53.5	54.8	55.3	56.7	57.1	57.2	57.2	58.1	58.5	58.7
≥ 6000	33.4	40.3	43.5	44.5	49.4	50.8	54.3	55.5	56.0	57.5	57.8	58.0	58.0	58.8	59.2	59.5
≥ 5000	35.1	42.3	45.6	46.7	51.8	53.2	56.7	58.0	58.5	60.0	60.3	60.4	60.4	61.3	61.7	61.9
≥ 4500	36.0	43.6	47.1	48.2	53.4	54.8	58.5	59.7	60.2	61.7	62.1	62.2	62.2	63.0	63.4	63.7
≥ 4000	39.3	48.0	51.5	52.8	58.6	60.1	64.2	65.4	66.0	67.6	68.0	68.1	68.1	69.0	69.3	69.6
≥ 3500	41.4	50.6	54.3	55.7	61.8	63.3	67.7	69.1	69.7	71.3	71.7	71.8	71.8	72.7	73.1	73.3
≥ 3000	42.2	51.9	55.7	57.4	63.4	64.9	69.5	70.8	71.4	73.1	73.4	73.5	73.5	74.4	74.8	75.0
≥ 2500	43.1	52.9	57.0	58.7	65.0	66.5	71.1	72.6	73.2	74.8	75.2	75.3	75.3	76.1	76.5	76.8
≥ 2000	44.0	54.1	58.3	60.4	66.7	68.2	72.8	74.3	74.9	76.5	76.9	77.0	77.0	77.9	78.2	78.5
≥ 1800	44.4	54.5	58.7	60.8	67.1	68.6	73.2	74.7	75.3	76.9	77.3	77.4	77.4	78.2	78.6	78.9
≥ 1500	45.4	55.6	60.0	62.3	68.9	70.3	74.9	76.4	77.3	78.9	79.2	79.4	79.4	80.2	80.6	80.8
≥ 1200	46.7	57.4	61.8	64.3	71.1	72.7	77.5	79.0	79.9	81.6	82.0	82.1	82.1	82.9	83.3	83.6
≥ 1000	47.5	58.2	63.0	65.5	72.6	74.2	79.1	80.8	81.7	83.6	83.9	84.1	84.1	84.9	85.3	85.5
≥ 900	47.5	58.2	63.0	65.5	72.6	74.2	79.1	80.8	81.7	83.6	83.9	84.1	84.1	84.9	85.3	85.5
≥ 800	47.8	58.8	64.0	66.6	73.8	75.4	80.6	82.7	83.6	85.4	85.9	86.0	86.0	86.9	87.3	87.5
≥ 700	48.0	59.0	64.2	66.7	73.9	75.5	80.7	82.8	83.8	85.7	86.2	86.3	86.3	87.1	87.5	87.8
≥ 600	48.0	59.1	64.3	66.9	74.3	75.9	81.2	83.6	84.5	86.4	86.9	87.4	87.4	88.3	88.6	88.9
≥ 500	48.0	59.1	64.3	67.0	74.7	76.3	81.6	84.1	85.0	87.1	87.6	88.1	88.3	89.1	89.5	89.7
≥ 400	48.1	59.2	64.4	67.1	75.0	76.8	82.4	85.3	86.5	88.6	89.1	90.0	90.1	91.0	91.3	91.6
≥ 300	48.2	59.3	64.6	67.5	75.6	77.4	83.2	86.7	88.1	90.5	91.0	91.8	92.1	93.2	93.6	94.2
≥ 200	48.2	59.3	64.6	67.5	75.9	77.6	83.7	88.0	89.5	92.3	93.1	94.3	94.9	96.3	96.8	97.7
≥ 100	48.2	59.3	64.6	67.5	75.9	77.6	83.7	88.0	89.5	92.3	93.1	94.6	95.2	96.7	97.3	99.4
≥ 0	48.2	59.3	64.6	67.5	75.9	77.6	83.7	88.0	89.5	92.3	93.1	94.6	95.2	96.7	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 809

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6162

HAHN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ .01
NO CEILING	20.0	24.3	26.1	26.8	28.7	29.1	31.6	33.5	33.7	34.8	34.9	34.9	35.2	35.6	35.8	36.3
≥ 20000	21.9	26.9	29.1	30.0	32.1	32.5	35.4	37.5	37.9	39.2	39.3	39.3	39.5	39.9	40.1	40.9
IV 18000	22.2	27.1	29.4	30.2	32.3	32.7	35.7	37.8	38.2	39.4	39.5	39.5	39.8	40.1	40.4	41.1
IV 16000	22.2	27.1	29.4	30.2	32.3	32.7	35.7	37.8	38.2	39.4	39.5	39.5	39.8	40.1	40.4	41.1
IV 14000	22.3	27.4	29.6	30.5	32.6	33.0	35.9	38.0	38.4	39.7	39.8	39.8	40.0	40.4	40.6	41.4
IV 12000	23.0	28.4	30.6	31.6	33.8	34.2	37.4	39.5	39.9	41.4	41.5	41.5	41.8	42.1	42.4	43.1
IV 10000	24.4	29.7	32.1	33.3	35.8	36.2	39.4	41.5	42.0	43.6	43.7	43.7	44.0	44.5	44.7	46.7
IV 9000	24.7	30.1	32.5	34.0	36.6	36.9	40.1	42.4	42.9	44.5	44.6	44.6	44.9	45.7	46.0	47.0
IV 8000	26.8	33.0	35.4	37.1	40.1	40.6	44.1	46.5	47.1	48.7	48.8	48.8	49.1	49.9	50.2	51.2
IV 7000	27.4	33.6	36.1	37.7	40.9	41.4	44.9	47.5	48.1	49.7	49.8	49.8	50.1	50.9	51.2	52.2
IV 6000	27.4	33.6	36.2	37.8	41.1	41.6	45.1	47.7	48.3	49.9	50.1	50.1	50.3	51.2	51.4	52.4
IV 5000	27.9	35.1	38.0	39.7	43.2	43.7	47.3	49.9	50.7	52.3	52.4	52.4	52.7	53.5	53.8	54.8
IV 4500	28.7	36.2	39.2	40.8	44.4	44.9	48.6	51.2	52.0	53.7	53.8	53.8	54.0	54.9	55.1	56.1
IV 4000	30.9	40.0	43.6	45.4	49.3	49.8	54.2	57.0	57.9	60.0	60.1	60.2	60.5	61.3	61.6	62.6
IV 3500	32.1	41.9	45.7	47.5	51.7	52.2	56.6	59.5	60.5	62.6	62.7	62.8	63.1	64.1	64.3	65.3
IV 3000	32.6	42.5	46.3	48.1	52.4	52.9	57.7	60.8	61.8	63.9	64.1	64.2	64.4	65.4	65.7	66.7
IV 2500	33.5	43.6	47.8	50.1	54.6	55.1	60.1	63.2	64.2	66.3	66.4	66.5	66.8	67.8	68.0	69.0
IV 2000	34.4	45.0	49.6	51.8	56.9	57.4	62.3	65.4	66.4	68.8	68.9	69.0	69.3	70.3	70.5	71.5
IV 1800	34.8	45.4	49.9	52.3	57.5	58.0	63.1	66.3	67.3	69.8	69.9	70.0	70.3	71.3	71.5	72.5
IV 1500	35.8	47.0	51.7	54.4	59.6	60.1	65.4	68.9	69.9	72.5	72.6	72.7	73.1	74.1	74.3	75.3
IV 1200	36.6	48.1	53.2	56.0	61.3	62.0	67.8	71.4	72.4	75.0	75.1	75.3	75.7	76.7	77.1	78.1
IV 1000	37.9	49.7	54.8	57.9	63.3	63.9	69.8	73.5	74.5	77.1	77.2	77.4	77.8	78.8	79.2	80.2
IV 900	38.2	49.9	55.0	58.1	63.6	64.2	70.0	73.7	74.7	77.3	77.4	77.7	78.1	79.1	79.4	80.4
IV 800	39.0	50.9	56.1	59.4	65.4	66.0	72.0	76.0	77.0	79.7	79.8	80.0	80.4	81.4	81.8	82.8
IV 700	39.8	51.9	57.1	60.3	66.4	67.0	73.0	77.0	78.1	80.8	80.9	81.2	81.5	82.5	82.9	83.9
IV 600	40.0	52.3	57.6	60.8	67.3	67.9	74.1	78.3	79.4	82.7	82.9	83.1	83.5	84.5	84.9	85.9
IV 500	40.3	52.7	58.0	61.7	68.3	68.9	75.7	80.0	81.2	84.6	85.1	85.4	85.9	86.9	87.2	88.2
IV 400	40.3	52.8	58.4	62.5	69.1	69.8	76.7	81.5	82.7	86.7	87.5	87.7	88.4	89.3	89.7	90.7
IV 300	40.3	52.8	58.4	62.6	69.3	69.9	77.0	81.8	83.0	87.2	88.0	88.2	89.0	90.6	91.0	92.6
IV 200	40.3	52.8	58.4	62.6	69.3	69.9	77.0	81.9	83.1	87.4	88.4	89.0	89.8	92.4	93.3	95.3
IV 100	40.3	52.8	58.4	62.6	69.3	69.9	77.0	81.9	83.1	87.5	88.5	89.1	90.0	93.1	94.5	98.6
IV 0	40.3	52.8	58.4	62.6	69.3	69.9	77.0	81.9	83.1	87.5	88.5	89.1	90.1	93.2	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 (16)

HAHN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO. OF READINGS	22.9	26.9	29.7	31.1	33.3	33.5	35.4	36.0	36.0	36.0	36.2	36.2	36.2	36.2	36.3	
≥ 20000	26.8	31.0	33.7	35.7	38.1	38.3	40.5	41.4	41.4	41.4	41.7	41.8	41.8	41.8	41.8	42.0
≥ 18000	26.8	31.0	33.7	35.7	38.1	38.3	40.5	41.4	41.4	41.4	41.7	41.8	41.8	41.8	41.8	42.0
≥ 16000	26.8	31.0	33.7	35.7	38.1	38.3	40.5	41.4	41.4	41.4	41.7	41.8	41.8	41.8	41.8	42.0
≥ 14000	27.1	31.3	34.0	36.0	38.3	38.6	40.8	41.7	41.7	41.7	41.9	42.0	42.0	42.0	42.0	42.3
≥ 12000	28.4	32.8	35.6	37.6	39.9	40.2	42.5	43.4	43.4	43.4	43.6	43.8	43.8	43.8	43.9	44.3
≥ 10000	30.4	35.0	37.9	40.0	42.5	42.8	45.4	46.2	46.2	46.2	46.5	46.6	46.6	46.6	46.7	47.1
≥ 9000	31.1	35.8	39.2	41.4	43.9	44.1	46.7	47.6	47.6	47.6	47.8	48.0	48.0	48.1	48.2	48.6
≥ 8000	34.9	40.3	43.6	46.0	49.2	49.6	52.4	53.5	53.5	53.5	53.8	53.9	53.9	54.0	54.1	54.5
≥ 7000	35.4	40.8	44.3	46.6	49.9	50.3	53.2	54.3	54.3	54.3	54.5	54.6	54.6	54.8	54.9	55.3
≥ 6000	35.4	40.8	44.5	46.8	50.3	50.7	53.6	55.0	55.0	55.0	55.3	55.4	55.4	55.5	55.6	56.0
≥ 5000	36.2	42.5	46.8	49.2	52.8	53.2	56.1	57.5	57.5	57.5	57.7	57.8	57.8	58.0	58.1	58.5
≥ 4500	36.5	42.8	47.2	49.6	53.6	54.0	57.0	58.3	58.5	58.5	58.7	58.8	58.8	59.0	59.1	59.5
≥ 4000	38.1	45.2	50.2	52.8	57.2	57.6	60.7	62.1	62.2	62.3	62.5	62.7	62.7	62.9	63.0	63.4
≥ 3500	40.3	47.6	52.8	55.4	60.1	60.4	63.8	65.1	65.3	65.4	65.6	65.8	65.8	66.0	66.1	66.5
≥ 3000	41.2	48.6	53.9	56.6	62.5	62.9	66.3	67.6	67.7	68.0	68.2	68.5	68.5	68.7	68.9	69.2
≥ 2500	42.5	50.4	55.7	58.8	64.8	65.1	68.5	69.8	70.0	70.2	70.5	70.7	70.7	71.0	71.1	71.4
≥ 2000	45.5	53.6	59.0	62.1	68.4	68.7	72.2	73.7	73.8	74.0	74.3	74.5	74.5	74.8	74.9	75.3
≥ 1800	46.0	54.1	59.5	62.5	68.9	69.2	72.7	74.2	74.3	74.5	74.8	75.0	75.0	75.3	75.4	75.8
≥ 1500	49.1	57.6	62.9	66.1	72.6	73.1	77.0	78.6	78.7	79.2	79.6	79.9	79.9	80.1	80.2	80.6
≥ 1200	51.2	60.1	65.5	68.9	76.1	76.6	80.6	82.2	82.3	82.8	83.2	83.4	83.4	83.7	83.8	84.2
≥ 1000	52.9	61.9	67.5	71.0	78.9	79.4	83.6	85.4	85.7	86.2	86.5	86.8	86.8	87.0	87.1	87.5
≥ 900	53.0	62.2	67.7	71.2	79.2	79.7	83.9	85.8	86.0	86.5	86.9	87.1	87.1	87.4	87.5	87.9
≥ 800	53.8	63.5	69.1	72.7	80.7	81.2	85.7	87.6	87.9	88.4	88.8	89.0	89.0	89.2	89.4	89.7
≥ 700	53.9	63.8	69.3	72.9	81.2	81.7	86.4	88.6	88.9	89.4	89.7	90.0	90.0	90.2	90.4	90.7
≥ 600	53.9	63.9	69.5	73.2	81.5	82.0	87.0	89.4	89.6	90.6	91.0	91.2	91.2	91.5	91.6	92.0
≥ 500	54.0	64.4	70.0	73.7	82.2	82.8	88.0	90.7	91.0	92.3	92.7	93.1	93.1	93.3	93.6	94.1
≥ 400	54.0	64.5	70.1	73.8	82.4	83.1	88.5	91.3	91.6	93.2	93.6	94.1	94.1	94.3	94.6	95.1
≥ 300	54.0	64.5	70.1	73.8	82.7	83.3	88.9	92.0	92.3	93.9	94.9	95.4	95.4	95.9	96.3	96.8
≥ 200	54.1	64.6	70.2	73.9	82.8	83.4	89.0	92.2	92.7	94.6	95.8	96.3	96.3	97.0	97.5	98.5
≥ 100	54.1	64.6	70.2	73.9	82.8	83.4	89.0	92.2	92.8	94.8	96.0	96.5	96.5	97.4	98.0	100.0
≥ 0	54.1	64.6	70.2	73.9	82.8	83.4	89.0	92.2	92.8	94.8	96.0	96.5	96.5	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

USAF ETAC

FORM 10-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5160
STATION

MAHN AB DL
STATION NAME

73-81
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	25.3	31.7	33.3	34.1	34.7	34.7	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 20000	37.6	38.0	39.6	40.4	41.0	41.0	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IN 18000	31.1	38.6	40.2	41.0	41.6	41.6	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IN 6000	31.1	38.6	40.2	41.0	41.6	41.6	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IN 14000	31.2	38.8	40.4	41.1	41.7	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IN 12000	32.2	39.9	41.6	42.3	43.0	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IN 10000	34.1	42.2	44.0	44.7	45.6	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IN 9000	35.6	44.1	45.8	46.5	47.5	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IN 8000	38.6	47.5	49.4	50.2	51.7	51.7	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IN 7000	39.8	48.6	50.5	51.4	52.8	52.8	53.1	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IN 6000	40.4	49.3	51.1	52.0	53.5	53.5	53.7	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IN 5000	41.4	50.5	52.3	53.3	54.8	54.8	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IN 4500	42.1	51.4	53.2	54.2	55.7	55.7	55.9	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IN 4000	45.7	56.3	58.5	59.5	61.2	61.2	61.9	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IN 3500	49.7	59.9	62.1	63.1	64.8	64.9	65.6	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IN 3000	52.8	64.7	67.2	68.4	70.7	70.9	71.9	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IN 2500	57.0	69.1	71.9	73.2	75.6	75.7	76.7	76.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IN 2000	60.2	73.0	75.7	77.0	79.5	79.6	80.7	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IN 1800	60.6	73.6	76.3	77.7	80.1	80.2	81.4	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IN 1500	63.5	76.8	79.5	80.9	83.5	83.6	84.7	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IN 1200	66.4	80.0	83.2	84.6	87.9	88.0	89.3	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 1000	67.7	81.5	84.7	86.2	90.2	90.4	91.9	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IN 900	67.7	81.6	84.8	86.3	90.5	90.6	92.1	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IN 800	68.0	82.2	85.6	87.4	91.9	92.0	93.7	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IN 700	68.1	82.3	85.7	87.5	92.5	92.6	94.4	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IN 600	68.3	82.5	85.8	87.7	92.6	92.7	94.8	95.3	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 500	68.3	82.5	85.9	87.8	93.3	93.5	95.8	96.7	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2
IN 400	68.3	82.5	86.0	87.9	93.5	93.6	95.9	97.3	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3
IN 300	68.3	82.5	86.0	88.0	93.6	93.7	96.0	97.5	98.1	98.5	98.8	98.9	98.9	98.9	98.9	98.9
IN 200	68.3	82.5	86.0	88.0	93.6	93.7	96.0	97.5	98.1	98.5	98.8	98.9	98.9	99.0	99.1	99.4
IN 100	68.3	82.5	86.0	88.0	93.6	93.7	96.0	97.5	98.3	98.6	98.9	99.0	99.0	99.4	99.8	100.0
IN 0	68.3	82.5	86.0	88.0	93.6	93.7	96.0	97.5	98.3	98.6	98.9	99.0	99.0	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17616P
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 20000	27.4	31.9	33.0	33.3	33.3	33.3	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 18000	36.8	42.7	44.1	44.4	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	37.5	43.6	44.9	45.3	45.4	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 14000	37.5	43.6	44.9	45.3	45.4	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000	38.0	44.2	45.6	45.9	46.0	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	39.0	45.2	46.5	46.9	47.0	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 9000	41.2	47.5	49.0	49.4	49.6	49.6	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 8000	42.7	49.4	50.9	51.4	51.6	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 7000	46.5	53.3	55.1	55.7	55.9	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 6000	47.8	54.7	56.4	57.0	57.3	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	48.4	55.3	57.0	57.7	57.9	57.9	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4500	50.6	58.4	60.1	60.7	61.2	61.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4000	53.2	61.4	63.1	63.7	64.2	64.2	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3500	58.4	67.2	69.4	70.1	70.9	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3000	62.7	71.9	74.1	74.9	75.8	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	67.9	78.3	80.5	81.5	82.5	82.5	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	69.4	80.1	82.3	83.7	84.8	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800	71.2	82.3	84.7	86.2	87.4	87.4	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1600	72.1	83.2	85.6	87.0	88.3	88.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	73.6	85.1	87.5	89.0	90.7	90.7	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	74.9	86.8	89.3	90.9	92.6	92.6	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	75.2	87.2	89.8	91.5	93.6	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	75.2	87.2	89.8	91.5	93.6	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	75.4	87.4	90.0	91.7	94.0	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	75.4	87.7	90.2	92.1	94.3	94.3	95.2	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9
≥ 600	75.4	87.7	90.2	92.1	94.7	94.7	95.7	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4
≥ 500	75.4	87.8	90.4	92.2	94.9	94.9	96.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2
≥ 400	75.4	87.8	90.5	92.3	95.3	95.3	97.2	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8
≥ 300	75.4	87.8	90.5	92.3	95.3	95.3	97.3	98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.1	99.1
≥ 200	75.4	87.8	90.5	92.3	95.3	95.3	97.4	99.0	99.0	99.0	99.1	99.4	99.4	99.4	99.6	99.6
≥ 100	75.4	87.8	90.5	92.3	95.3	95.3	97.4	99.0	99.0	99.0	99.1	99.4	99.5	99.6	100.0	100.0
≥ 0	75.4	87.8	90.5	92.3	95.3	95.3	97.4	99.0	99.0	99.0	99.1	99.4	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING ≥ 20000	29.8	35.2	37.9	38.1	39.6	39.6	40.2	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 18000	37.4	44.2	47.2	47.7	50.2	50.5	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 16000	37.7	44.6	47.8	48.3	50.9	51.1	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 14000	37.8	44.7	47.9	48.4	51.0	51.2	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000	38.3	45.2	48.4	48.9	51.5	51.7	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 10000	39.9	47.0	50.5	51.0	53.6	53.8	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 9000	41.9	49.4	52.8	53.5	56.0	56.3	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000	44.2	51.7	55.3	56.0	58.6	59.1	60.2	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 7000	49.9	57.7	61.6	62.6	65.4	66.0	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	51.7	59.6	63.6	64.6	67.5	68.1	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 5000	51.9	59.8	63.7	64.7	67.7	68.3	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 4500	55.2	63.6	67.5	68.5	71.6	72.2	73.3	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4000	55.8	64.6	68.6	69.6	72.7	73.3	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	59.9	69.0	73.5	74.4	77.9	78.5	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3000	62.3	71.5	76.0	77.0	80.6	81.4	82.8	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	63.8	73.2	77.8	78.8	82.5	83.2	84.7	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2000	65.4	75.2	80.1	81.2	85.6	86.3	87.8	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1800	66.7	76.8	82.1	83.3	87.8	88.5	90.0	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500	67.0	77.4	82.7	84.0	88.4	89.1	90.6	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	67.7	78.1	83.5	84.7	89.5	90.2	91.9	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1000	68.6	79.5	84.9	86.2	91.0	91.7	93.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	69.0	80.1	85.8	87.0	91.9	92.6	94.3	95.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	69.1	80.2	85.9	87.2	92.3	93.1	94.9	96.0	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	69.3	80.4	86.0	87.3	92.6	93.3	95.3	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	69.3	80.4	86.0	87.3	92.6	93.3	95.3	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 500	69.3	80.4	86.0	87.3	92.6	93.3	95.4	96.8	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 400	69.3	80.4	86.0	87.5	93.0	93.7	96.0	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	69.3	80.4	86.0	87.5	93.0	93.7	96.0	97.4	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	69.3	80.4	86.0	87.5	93.0	93.7	96.2	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	69.3	80.4	86.0	87.5	93.0	93.7	96.2	97.5	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	69.3	81.4	86.0	87.5	93.0	93.7	96.2	97.5	97.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	36.1	41.7	45.9	47.3	49.9	49.9	51.2	51.4	51.5	51.9	51.9	52.0	52.0	52.0	52.0	52.0
≥ 25000	39.5	45.8	50.4	52.0	55.1	55.2	56.9	57.1	57.2	57.5	57.5	57.7	57.7	57.7	57.7	57.7
≥ 18000	39.6	45.9	50.5	52.1	55.3	55.3	57.1	57.2	57.3	57.7	57.7	57.8	57.8	57.8	57.8	57.8
≥ 15000	39.7	46.0	50.6	52.2	55.4	55.4	57.2	57.3	57.4	57.8	57.8	57.9	57.9	57.9	57.9	57.9
≥ 14000	40.3	46.7	51.2	52.8	56.1	56.1	57.8	57.9	58.0	58.4	58.4	58.5	58.5	58.5	58.5	58.5
≥ 12000	41.0	47.6	52.4	54.0	57.2	57.2	58.9	59.0	59.2	59.5	59.5	59.7	59.7	59.7	59.7	59.7
≥ 10000	42.0	49.1	54.1	55.8	59.0	59.0	60.8	60.9	61.0	61.4	61.4	61.5	61.5	61.5	61.5	61.5
≥ 9000	42.3	49.5	54.5	56.2	59.7	59.7	61.9	62.0	62.1	62.5	62.5	62.6	62.6	62.6	62.6	62.6
≥ 8000	44.7	52.1	57.8	59.5	63.2	63.2	65.6	65.7	65.8	66.5	66.5	66.6	66.7	66.7	66.7	66.7
≥ 7000	45.5	53.0	58.7	60.6	64.4	64.4	66.7	66.8	67.0	67.6	67.6	67.7	67.8	67.8	67.8	67.8
≥ 6000	46.2	54.0	59.7	61.6	65.3	65.3	67.7	67.8	67.9	68.6	68.6	68.7	68.8	68.8	68.8	68.8
≥ 5000	48.5	56.9	62.7	64.7	68.6	68.6	70.9	71.0	71.2	71.8	71.8	71.9	72.0	72.0	72.0	72.0
≥ 4500	49.1	58.0	64.0	66.0	69.8	69.8	72.2	72.3	72.4	73.0	73.0	73.1	73.3	73.3	73.3	73.3
≥ 4000	53.6	62.9	69.2	71.3	75.1	75.1	77.6	77.8	78.0	78.6	78.6	78.7	78.8	78.8	78.8	78.8
≥ 3500	54.8	64.7	71.2	73.4	77.4	77.4	80.2	80.4	80.6	81.3	81.3	81.4	81.6	81.6	81.6	81.6
≥ 3000	56.4	66.6	73.4	75.9	80.2	80.2	83.0	83.5	83.7	84.4	84.4	84.5	84.7	84.7	84.7	84.7
≥ 2500	57.4	67.8	74.8	77.2	81.6	81.6	84.5	85.1	85.3	86.0	86.0	86.1	86.3	86.3	86.3	86.3
≥ 2000	58.8	69.2	76.1	78.7	83.4	83.4	86.4	87.0	87.1	87.9	87.9	88.0	88.1	88.1	88.1	88.1
≥ 1800	59.3	69.7	76.6	79.2	84.0	84.0	87.0	87.6	87.7	88.5	88.5	88.6	88.7	88.7	88.7	88.7
≥ 1500	60.7	70.4	77.5	80.3	85.6	85.6	88.7	89.5	89.7	90.6	90.6	90.7	90.8	90.8	90.8	90.8
≥ 1200	60.5	70.9	78.0	80.8	86.5	86.5	89.9	90.7	91.0	91.8	91.8	92.0	92.1	92.1	92.1	92.1
≥ 1000	61.4	72.0	79.2	82.1	88.0	88.0	91.5	92.3	92.6	93.4	93.4	93.6	93.7	93.7	93.7	93.7
≥ 900	61.5	72.2	79.3	82.3	88.2	88.2	91.7	92.6	92.8	93.7	93.7	93.8	93.9	93.9	93.9	93.9
≥ 800	61.5	72.3	79.5	82.5	88.5	88.5	92.0	92.8	93.1	94.1	94.1	94.2	94.3	94.3	94.3	94.3
≥ 700	61.8	72.8	80.7	83.2	89.1	89.1	92.6	93.6	93.8	94.8	94.8	94.9	95.0	95.0	95.0	95.0
≥ 600	62.1	73.1	80.4	83.7	89.6	89.6	93.1	94.3	94.6	95.5	95.5	96.0	96.3	96.3	96.3	96.3
≥ 500	62.1	73.3	80.4	83.7	89.9	89.9	93.6	95.0	95.3	96.7	96.8	97.4	97.6	97.6	97.6	97.6
≥ 400	62.1	73.3	80.4	83.7	90.0	90.1	93.9	95.5	95.8	97.3	97.8	98.5	99.0	99.0	99.0	99.0
≥ 300	62.1	73.3	80.4	83.7	90.0	90.1	93.9	95.5	95.8	97.4	97.9	98.6	99.1	99.1	99.1	99.1
≥ 200	62.1	73.3	80.4	83.7	90.0	90.1	93.9	95.5	95.8	97.4	97.9	98.6	99.1	99.1	99.1	99.1
≥ 100	62.1	73.3	80.4	83.7	90.0	90.1	93.9	95.5	95.8	97.4	97.9	98.6	99.1	99.1	99.1	99.1
≥ 0	62.1	73.3	80.4	83.7	90.0	90.1	93.9	95.5	95.8	97.4	97.9	98.6	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 808

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10160

HAHN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	27.9	33.2	35.7	36.7	38.7	39.0	40.4	41.0	41.1	41.5	41.6	41.7	41.7	41.9	41.9	42.1
≥ 20000	32.2	38.2	41.1	42.2	44.6	44.9	46.6	47.3	47.4	47.9	48.0	48.0	48.1	48.3	48.3	48.5
≥ 18000	32.4	38.5	41.4	42.5	44.9	45.3	47.0	47.6	47.7	48.2	48.3	48.3	48.4	48.6	48.6	48.8
≥ 16000	32.5	38.6	41.4	42.6	45.0	45.3	47.0	47.7	47.8	48.3	48.4	48.4	48.5	48.6	48.7	48.9
≥ 14000	32.8	38.9	41.7	42.9	45.3	45.6	47.3	48.0	48.1	48.6	48.7	48.7	48.8	48.9	49.0	49.2
≥ 12000	33.6	39.9	42.9	44.1	46.5	46.8	48.6	49.2	49.4	49.9	50.0	50.0	50.1	50.2	50.3	50.5
≥ 10000	35.1	41.6	44.6	45.8	48.4	48.7	50.6	51.2	51.4	51.9	52.0	52.1	52.1	52.3	52.4	52.6
≥ 9000	36.0	42.7	45.8	47.1	49.7	50.1	52.0	52.7	52.9	53.4	53.5	53.6	53.6	53.9	54.0	54.2
≥ 8000	39.3	46.0	49.4	50.9	53.9	54.4	56.4	57.2	57.3	57.9	58.0	58.1	58.1	58.5	58.5	58.8
≥ 7000	39.9	47.0	50.4	51.9	55.0	55.4	57.5	58.3	58.5	59.0	59.1	59.2	59.3	59.6	59.7	59.9
≥ 6000	41.4	47.5	51.1	52.5	55.6	56.1	58.1	58.9	59.1	59.7	59.8	59.8	59.9	60.2	60.3	60.5
≥ 5000	42.0	49.8	53.4	54.9	56.2	58.7	60.8	61.6	61.8	62.4	62.5	62.5	62.6	62.9	63.0	63.2
≥ 4500	43.0	51.0	54.7	56.3	59.6	60.1	62.2	63.0	63.3	63.8	64.0	64.0	64.1	64.4	64.5	64.7
≥ 4000	46.6	55.6	59.7	61.3	65.0	65.5	67.8	68.7	68.9	69.6	69.7	69.8	69.9	70.2	70.3	70.5
≥ 3500	48.9	58.3	62.5	64.2	68.0	68.5	71.2	72.1	72.4	73.0	73.1	73.2	73.3	73.6	73.7	73.9
≥ 3000	50.9	60.8	65.1	66.9	71.1	71.6	74.4	75.4	75.6	76.3	76.5	76.5	76.6	76.9	77.0	77.3
≥ 2500	52.5	62.6	67.1	69.1	73.5	74.0	76.8	77.9	78.1	78.8	78.9	79.0	79.1	79.4	79.5	79.7
≥ 2000	54.1	64.6	69.1	71.3	75.9	76.4	79.2	80.3	80.6	81.3	81.4	81.5	81.6	81.9	82.0	82.2
≥ 1800	54.6	65.1	69.7	71.8	76.5	77.0	79.8	80.9	81.2	82.0	82.1	82.1	82.2	82.6	82.6	82.9
≥ 1500	56.1	66.8	71.5	73.8	78.7	79.2	82.2	83.4	83.7	84.5	84.7	84.7	84.8	85.2	85.3	85.5
≥ 1200	57.4	68.4	73.3	75.7	80.9	81.5	84.6	85.9	86.2	87.1	87.2	87.3	87.4	87.7	87.8	88.0
≥ 1000	58.3	69.5	74.5	76.9	82.5	83.0	86.3	87.7	88.0	88.9	89.0	89.1	89.2	89.6	89.7	89.9
≥ 900	58.3	69.6	74.6	77.1	82.7	83.2	86.5	87.9	88.3	89.2	89.3	89.4	89.5	89.8	89.9	90.1
≥ 800	58.7	70.2	75.2	77.8	83.6	84.1	87.5	89.1	89.4	90.3	90.5	90.6	90.7	91.0	91.1	91.3
≥ 700	58.9	70.5	75.5	78.2	84.1	84.7	88.1	89.7	90.1	91.0	91.2	91.3	91.4	91.7	91.8	92.0
≥ 600	59.0	70.7	75.7	78.4	84.5	85.1	88.8	90.5	90.9	92.0	92.1	92.4	92.5	92.8	92.9	93.2
≥ 500	59.3	70.8	75.9	78.6	84.9	85.5	89.4	91.3	91.7	93.0	93.2	93.5	93.7	94.0	94.2	94.4
≥ 400	59.7	70.8	76.0	78.8	85.2	85.9	90.0	92.3	92.7	94.2	94.4	94.8	95.0	95.3	95.5	95.7
≥ 300	59.1	70.9	76.0	78.8	85.4	86.0	90.3	92.7	93.2	94.8	95.2	95.6	95.8	96.3	96.5	96.8
≥ 200	59.1	70.9	76.0	78.9	85.5	86.1	90.4	93.0	93.6	95.4	95.9	96.4	96.8	97.6	97.9	98.4
≥ 100	59.1	70.9	76.1	78.9	85.5	86.2	90.5	93.1	93.7	95.5	96.0	96.6	97.0	98.0	98.4	99.6
≥ 0	59.1	70.9	76.1	78.9	85.5	86.2	90.5	93.1	93.7	95.5	96.0	96.6	97.0	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6472

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10150

HAHN AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO FOG	17.3	21.9	25.4	26.2	29.0	29.2	31.2	33.2	33.2	34.2	34.4	34.4	34.9	35.9	36.0	36.1
≥ 20000	19.7	24.3	27.9	28.8	31.8	32.0	34.2	36.5	36.5	37.4	37.8	37.8	38.3	39.2	39.4	39.5
≥ 18000	19.7	24.3	27.9	28.8	31.8	32.0	34.2	36.5	36.5	37.4	37.8	37.8	38.3	39.2	39.4	39.5
≥ 16000	19.7	24.3	27.9	28.8	31.8	32.0	34.2	36.5	36.5	37.4	37.8	37.8	38.3	39.2	39.4	39.5
≥ 14000	19.7	24.3	27.9	28.8	31.8	32.0	34.2	36.5	36.5	37.4	37.8	37.8	38.3	39.2	39.4	39.5
≥ 12000	20.0	24.5	28.2	29.0	32.0	32.3	34.4	36.7	36.7	37.7	38.0	38.0	38.5	39.5	39.6	39.7
≥ 10000	20.3	24.9	28.5	29.4	32.6	32.9	35.0	37.3	37.3	38.3	38.6	38.6	39.1	40.1	40.2	40.3
≥ 9000	20.6	25.4	29.1	30.0	33.3	33.6	36.1	38.4	38.4	39.4	39.8	39.8	40.3	41.3	41.4	41.5
≥ 8000	22.0	27.0	30.7	31.5	35.3	35.5	38.3	40.7	40.7	41.6	42.1	42.1	42.6	43.6	43.7	43.8
≥ 7000	22.5	27.4	31.2	32.0	35.7	36.0	38.7	41.2	41.2	42.2	42.7	42.7	43.2	44.2	44.3	44.4
≥ 6000	22.6	27.8	31.5	32.4	36.1	36.3	39.1	41.5	41.5	42.6	43.1	43.1	43.6	44.5	44.6	44.8
≥ 5000	23.1	28.3	32.0	32.9	36.6	36.8	39.7	42.1	42.2	43.3	43.8	43.8	44.3	45.2	45.4	45.5
≥ 4500	24.1	29.5	33.7	34.5	38.3	38.5	41.4	43.8	44.0	45.2	45.7	45.7	46.2	47.2	47.3	47.4
≥ 4000	26.5	33.0	37.4	38.7	42.7	43.0	46.0	48.5	48.7	49.9	50.4	50.4	50.9	51.9	52.0	52.1
≥ 3500	27.3	34.1	38.5	40.1	44.2	44.4	47.8	50.3	50.5	51.7	52.2	52.2	52.7	53.7	53.8	53.9
≥ 3000	29.1	36.2	40.9	42.5	46.7	46.9	50.3	52.9	53.2	54.4	54.9	54.9	55.4	56.3	56.4	56.6
≥ 2500	29.7	37.1	41.9	43.6	47.9	48.1	51.9	54.5	54.8	56.0	56.4	56.4	56.9	57.9	58.0	58.1
≥ 2000	30.2	37.7	42.6	44.6	49.6	49.8	53.5	56.2	56.4	57.8	58.2	58.2	58.7	59.7	59.8	59.9
≥ 1800	30.9	38.5	43.4	45.6	50.5	50.8	54.5	57.2	57.4	58.7	59.2	59.2	59.7	60.6	60.8	60.9
≥ 1500	32.3	40.1	45.8	48.4	53.9	54.2	58.0	60.6	61.0	62.3	62.8	62.8	63.3	64.3	64.4	64.5
≥ 1200	33.6	42.4	48.1	51.0	56.7	56.9	61.3	63.9	64.3	65.7	66.2	66.2	66.7	67.6	67.7	67.9
≥ 1000	34.8	44.0	50.1	53.2	59.0	59.2	63.5	66.2	66.5	68.0	68.5	68.5	69.1	70.0	70.2	70.3
≥ 900	35.5	44.8	50.8	53.9	59.8	60.0	64.4	67.0	67.4	69.0	69.4	69.4	70.0	71.0	71.1	71.2
≥ 800	36.1	45.6	51.7	54.9	61.3	61.5	65.8	68.6	69.0	70.5	71.0	71.0	71.6	72.6	72.7	72.8
≥ 700	36.1	45.7	52.2	55.4	61.9	62.1	66.4	69.2	69.6	71.1	71.6	71.6	72.2	73.2	73.3	73.4
≥ 600	36.2	45.8	52.3	56.1	63.1	63.3	68.0	70.8	71.1	72.9	73.4	73.4	74.0	75.0	75.1	75.2
≥ 500	36.5	46.1	52.6	57.0	64.5	64.7	69.7	72.6	73.0	75.0	75.7	75.7	76.4	77.4	77.5	77.6
≥ 400	36.6	46.2	52.8	57.4	65.6	65.8	70.9	73.8	74.2	76.4	77.5	77.5	78.2	79.2	79.3	79.4
≥ 300	36.7	46.7	53.3	58.4	66.9	67.3	72.4	75.5	76.1	78.8	80.1	80.1	81.2	82.4	82.9	83.0
≥ 200	36.7	46.7	53.4	58.5	67.4	67.7	73.5	76.9	78.0	82.4	84.1	84.6	86.2	88.4	89.5	90.4
≥ 100	37.1	47.1	53.8	58.8	67.9	68.2	74.4	77.9	78.9	84.0	86.3	86.9	88.6	92.7	94.6	97.4
≥ 0	37.1	47.1	53.8	58.8	67.9	68.2	74.5	78.0	79.1	84.1	86.4	87.0	88.8	93.0	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 831

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1616C
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	13.4	15.5	17.1	18.4	20.7	21.1	22.2	24.0	24.0	26.9	27.6	28.1	29.2	29.9	30.6	31.3
≥ 20000	14.9	17.2	18.9	20.2	22.7	23.0	24.5	26.5	26.5	29.5	30.2	30.7	31.8	32.5	33.3	34.0
≥ 18000	14.9	17.2	18.9	20.2	22.7	23.0	24.5	26.5	26.5	29.5	30.2	30.7	31.8	32.5	33.3	34.0
≥ 16000	14.9	17.2	18.9	20.2	22.7	23.0	24.5	26.5	26.5	29.5	30.2	30.7	31.8	32.5	33.3	34.0
≥ 14000	14.9	17.2	18.9	20.2	22.7	23.0	24.5	26.5	26.5	29.5	30.2	30.7	31.8	32.5	33.3	34.0
≥ 12000	15.5	17.8	19.5	20.8	23.3	23.6	25.1	27.1	27.1	30.1	30.8	31.3	32.4	33.1	33.9	34.6
≥ 10000	16.1	18.6	20.5	21.8	24.7	25.1	26.5	28.6	28.6	31.7	32.4	32.9	34.0	34.7	35.4	36.1
≥ 9000	16.1	19.2	21.3	22.7	25.5	25.9	27.3	29.4	29.4	32.5	33.4	33.9	34.9	35.7	36.4	37.1
≥ 8000	16.7	19.9	22.2	23.5	26.4	26.7	28.6	30.8	30.8	34.0	34.8	35.4	36.5	37.2	38.0	38.7
≥ 7000	16.7	20.0	22.3	23.6	26.5	26.9	28.7	31.0	31.0	34.1	34.9	35.5	36.6	37.3	38.1	38.8
≥ 6000	16.7	20.0	22.4	23.7	26.6	27.0	28.8	31.1	31.1	34.2	35.1	35.7	36.7	37.5	38.2	38.9
≥ 5000	17.2	20.5	22.9	24.2	27.1	27.5	29.3	31.7	31.7	34.8	35.7	36.3	37.3	38.1	38.8	39.5
≥ 4500	17.7	21.3	23.7	25.1	28.2	28.6	30.4	32.8	32.8	35.9	36.7	37.3	38.6	39.3	40.0	40.7
≥ 4000	21.6	25.7	28.8	30.5	33.6	34.0	36.4	38.9	38.9	42.3	43.1	43.7	44.9	45.7	46.4	47.1
≥ 3500	22.5	27.0	30.2	31.9	35.3	35.8	38.3	41.0	41.0	44.3	45.2	45.8	47.0	47.7	48.4	49.2
≥ 3000	25.4	30.2	33.6	35.3	38.8	39.3	41.9	44.7	44.7	48.2	49.0	49.6	50.8	51.6	52.3	53.0
≥ 2500	25.7	30.7	34.7	36.5	40.1	40.7	43.5	46.3	46.3	49.8	50.6	51.2	52.4	53.1	53.9	54.6
≥ 2000	26.9	32.2	36.6	38.6	42.2	42.8	45.5	48.3	48.3	51.9	52.8	53.4	54.6	55.3	56.0	56.7
≥ 1800	27.0	32.4	36.9	38.8	42.4	43.0	45.8	48.6	48.6	52.2	53.0	53.6	54.8	55.5	56.3	57.0
≥ 1500	27.8	34.1	39.2	41.2	44.9	45.5	48.3	51.1	51.1	54.8	55.7	56.3	57.5	58.2	58.9	59.8
≥ 1200	30.4	37.0	42.3	44.7	48.4	49.0	51.8	54.6	54.6	58.3	59.2	59.8	61.0	61.7	62.4	63.3
≥ 1000	31.1	38.1	43.4	46.1	50.4	51.0	54.0	56.7	57.0	60.7	61.6	62.2	63.4	64.1	64.8	65.7
≥ 900	31.3	38.4	43.7	46.6	51.1	51.7	54.7	57.5	57.7	61.4	62.3	62.9	64.1	64.8	65.5	66.4
≥ 800	31.8	39.2	44.5	48.7	53.4	54.0	57.0	59.8	60.0	63.7	64.6	65.2	66.4	67.1	67.8	68.7
≥ 700	32.3	39.5	45.1	49.4	54.5	55.1	58.3	61.1	61.3	65.1	65.9	66.5	67.7	68.4	69.2	70.0
≥ 600	32.2	40.0	45.5	50.0	55.4	56.0	59.4	62.3	62.5	66.5	67.3	68.0	69.2	69.9	70.6	71.4
≥ 500	32.2	40.1	45.7	50.2	56.6	57.2	60.7	64.0	64.5	68.9	69.9	70.5	71.7	72.7	73.4	74.2
≥ 400	32.2	40.2	45.8	50.5	57.5	58.3	62.3	65.5	66.3	70.7	71.7	72.3	73.5	74.6	75.3	76.1
≥ 300	32.3	40.5	46.0	50.7	58.6	59.5	64.2	67.6	68.6	73.9	74.8	75.5	77.0	78.7	79.8	80.6
≥ 200	32.7	41.0	46.6	51.3	59.4	60.4	65.2	68.9	70.2	76.4	77.5	78.6	80.4	84.3	86.0	87.1
≥ 100	32.7	41.0	46.6	51.4	59.8	60.7	65.7	69.8	71.1	78.2	79.5	80.8	83.1	88.7	92.0	96.4
≥ 0	32.7	41.0	46.6	51.4	59.8	60.7	65.7	69.8	71.1	78.2	79.5	80.8	83.1	89.5	93.4	100.0

TOTAL NUMBER OF OBSERVATIONS 830

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800
TIME PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	8.5	11.8	12.2	13.6	15.1	15.1	15.7	16.4	17.2	18.4	18.9	19.1	19.6	20.7	21.4	22.4
≥ 20000	9.7	13.1	13.9	15.5	17.3	17.3	18.1	19.0	19.7	20.9	21.4	21.7	22.3	23.4	24.6	25.7
IV 18000	9.7	13.1	13.9	15.5	17.3	17.3	18.1	19.0	19.7	20.9	21.4	21.7	22.3	23.4	24.6	25.7
IV 16000	9.9	13.3	14.0	15.6	17.4	17.4	18.2	19.1	19.8	21.0	21.5	21.8	22.4	23.5	24.7	25.8
IV 14000	9.9	13.3	14.0	15.6	17.4	17.4	18.2	19.1	19.8	21.0	21.5	21.8	22.4	23.5	24.7	25.8
IV 12000	10.2	13.6	14.4	15.9	17.9	17.9	18.7	19.6	20.3	21.7	22.1	22.4	23.0	24.1	25.3	26.5
IV 10000	10.8	14.4	15.2	16.8	19.0	19.0	20.0	20.8	21.5	22.9	23.4	23.6	24.3	25.4	26.8	28.0
IV 9000	10.9	14.5	15.5	17.0	19.2	19.2	20.2	21.0	21.8	23.2	23.7	24.0	24.7	25.8	27.1	28.3
IV 8000	11.7	15.2	16.5	18.1	20.6	20.6	21.9	23.1	23.8	25.4	25.9	26.2	26.9	28.0	29.3	30.5
IV 7000	12.3	15.6	16.9	18.5	20.9	20.9	22.3	23.5	24.2	25.9	26.4	26.6	27.4	28.5	29.8	31.1
IV 6000	12.2	15.7	17.0	18.6	21.0	21.0	22.4	23.6	24.3	26.0	26.5	26.8	27.5	28.6	29.9	31.3
IV 5000	12.9	16.7	18.0	19.6	22.0	22.0	23.4	24.6	25.3	27.0	27.5	27.7	28.5	29.7	31.0	32.4
IV 4500	13.1	17.2	18.5	20.1	22.9	22.9	24.7	25.9	26.6	28.5	29.0	29.3	30.2	31.4	32.7	34.1
IV 4000	15.2	19.8	21.4	23.1	25.9	25.9	28.0	29.2	29.9	31.8	32.2	32.6	33.5	34.7	36.0	37.3
IV 3500	15.9	20.8	22.4	24.3	27.3	27.3	29.3	30.7	31.6	33.5	33.9	34.3	35.2	36.4	37.7	39.1
IV 3000	17.9	23.4	25.1	27.0	30.2	30.2	32.6	33.9	34.9	37.0	37.5	37.8	38.7	39.9	41.2	42.6
IV 2500	18.7	24.5	26.4	28.5	32.1	32.1	34.7	36.1	37.1	39.2	39.7	40.0	40.9	42.1	43.4	44.8
IV 2000	20.1	26.4	28.5	30.5	34.2	34.2	36.9	38.4	39.4	41.7	42.2	42.6	43.4	44.8	46.1	47.4
IV 1800	20.7	27.0	29.2	31.3	34.9	34.9	37.7	39.3	40.3	42.6	43.1	43.4	44.3	45.6	47.0	48.3
IV 1500	22.5	29.6	32.8	35.2	39.2	39.2	42.1	43.7	44.9	47.3	47.8	48.2	49.0	50.4	51.7	53.0
IV 1200	24.3	31.9	35.4	38.0	42.1	42.1	45.1	46.7	47.9	50.4	50.9	51.2	52.1	53.4	54.7	56.1
IV 1000	25.2	33.0	36.7	39.7	44.4	44.4	47.4	49.0	50.5	52.9	53.4	53.8	54.6	56.0	57.5	58.9
IV 900	25.3	33.2	37.0	40.0	44.8	44.8	47.9	49.5	51.0	53.4	53.9	54.3	55.1	56.4	58.0	59.4
IV 800	25.7	33.8	37.8	41.1	46.2	46.5	49.8	51.7	53.2	55.7	56.2	56.6	57.4	59.0	60.6	61.9
IV 700	26.3	34.8	39.1	42.6	48.1	48.3	51.6	53.5	55.0	57.7	58.2	58.5	59.6	61.2	62.8	64.1
IV 600	26.7	35.8	40.0	44.0	49.6	49.9	53.3	55.4	56.8	59.9	60.5	60.8	61.9	63.5	65.1	66.4
IV 500	27.1	36.3	40.8	44.8	50.9	51.2	55.5	57.8	59.5	62.9	63.5	63.9	65.1	66.7	68.2	69.6
IV 400	27.3	36.4	41.1	45.1	51.6	52.1	56.9	59.7	61.6	65.2	65.8	66.2	67.4	69.1	70.7	72.0
IV 300	27.3	36.4	41.1	45.3	51.8	52.3	57.5	60.9	63.1	67.6	68.5	69.1	70.7	73.5	75.8	77.4
IV 200	27.5	36.6	41.4	45.5	52.3	52.8	58.5	62.2	65.0	70.6	71.7	72.4	75.4	79.9	83.6	85.6
IV 100	27.5	36.6	41.4	45.5	52.3	52.8	58.5	62.3	65.2	71.0	72.4	73.2	76.9	83.7	89.3	95.9
IV 0	27.5	36.6	41.4	45.5	52.3	52.8	58.5	62.3	65.2	71.0	72.4	73.2	76.9	83.7	89.7	100.0

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6163

HAHN AB DL

73-81

061

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1990-1100

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	17.4	13.0	15.3	16.2	17.6	17.6	18.5	18.9	19.1	19.8	19.8	19.8	19.9	20.1	20.6	21.0	
≥20000	12.1	15.1	17.6	18.6	20.5	20.5	21.4	21.8	22.0	22.8	22.8	22.8	22.9	23.2	23.6	24.0	
≥18000	12.1	15.1	17.6	18.6	20.5	20.5	21.4	21.8	22.0	22.8	22.8	22.8	22.9	23.2	23.6	24.0	
≥16000	12.1	15.1	17.6	18.6	20.5	20.5	21.4	21.8	22.0	22.8	22.8	22.8	22.9	23.2	23.6	24.0	
≥14000	12.2	15.2	18.0	19.1	21.2	21.2	22.1	22.6	22.7	23.6	23.6	23.6	23.8	24.0	24.5	24.8	
≥12000	12.2	15.2	18.0	19.1	21.2	21.2	22.1	22.6	22.7	23.6	23.6	23.6	23.8	24.0	24.5	24.8	
≥10000	12.9	15.9	18.7	19.9	22.1	22.1	23.0	23.5	23.6	24.6	24.6	24.6	24.7	25.0	25.6	25.9	
≥9000	13.6	17.2	20.1	21.4	23.5	23.5	24.6	25.1	25.2	26.2	26.2	26.2	26.3	26.5	27.1	27.5	
≥8000	15.2	19.1	22.3	23.6	25.9	25.9	27.1	27.6	27.7	28.7	28.7	28.7	28.8	29.1	29.7	30.0	
≥7000	15.3	19.2	22.6	24.0	26.4	26.5	27.7	28.2	28.3	29.3	29.3	29.3	29.4	29.7	30.3	30.6	
≥6000	15.3	19.2	22.9	24.4	26.8	26.9	28.1	28.6	28.7	29.7	29.7	29.7	29.8	30.0	30.6	31.0	
≥5000	16.0	20.0	23.8	25.3	27.9	28.0	29.4	29.9	30.0	31.0	31.0	31.0	31.1	31.4	32.0	32.3	
≥4500	16.8	21.0	25.0	26.5	29.2	29.3	30.8	31.2	31.6	32.7	32.7	32.7	32.8	33.1	33.7	34.0	
≥4000	19.1	23.4	27.5	29.2	32.2	32.3	33.9	34.4	34.7	35.8	35.8	35.8	35.9	36.2	36.8	37.2	
≥3500	19.5	24.2	28.7	30.5	33.9	34.1	35.8	36.3	36.7	37.9	37.9	37.9	38.0	38.2	38.8	39.2	
≥3000	20.3	25.2	29.8	31.8	35.2	35.5	37.4	37.9	38.2	39.4	39.4	39.4	39.6	39.9	40.5	40.9	
≥2500	22.2	27.9	32.8	35.0	38.5	38.7	40.8	41.3	41.6	42.8	42.8	42.8	42.9	43.3	43.9	44.3	
≥2000	24.6	30.9	36.1	38.2	42.1	42.5	44.5	45.4	45.7	46.9	46.9	46.9	47.0	47.4	48.0	48.5	
≥1800	24.6	31.0	36.2	38.4	42.2	42.6	44.8	45.6	46.0	47.2	47.2	47.2	47.3	47.6	48.3	48.9	
≥1500	26.4	33.7	39.3	41.6	46.1	46.6	49.0	50.2	50.5	51.7	51.9	51.9	52.0	52.4	53.0	53.7	
≥1200	28.8	37.5	43.3	45.8	50.5	51.0	53.6	54.9	55.2	56.5	56.9	56.9	57.1	57.4	58.0	58.7	
≥1000	30.8	40.3	46.2	48.7	53.8	54.5	57.4	58.7	59.1	60.3	60.8	60.8	60.9	61.3	61.9	62.7	
≥900	31.4	41.0	46.9	49.5	54.5	55.2	58.1	59.5	59.8	61.0	61.5	61.5	61.6	62.0	62.6	63.6	
≥800	31.5	42.0	48.3	50.8	56.2	57.1	61.1	61.5	61.9	63.1	63.6	63.6	63.7	64.1	64.7	65.9	
≥700	31.7	42.5	48.7	51.4	57.3	58.3	61.5	63.1	63.4	64.7	65.1	65.3	65.5	65.9	66.5	67.7	
≥600	32.2	43.2	49.7	52.7	59.1	60.3	63.9	65.6	66.0	67.2	67.7	67.8	68.0	68.6	69.2	70.4	
≥500	32.4	43.7	50.5	53.9	61.0	62.4	66.9	68.9	69.6	71.2	71.8	71.9	72.1	72.9	73.5	74.7	
≥400	32.9	44.1	51.0	54.4	62.2	63.7	68.9	71.0	72.0	73.6	74.2	74.3	74.7	75.4	76.0	77.2	
≥300	32.9	44.1	51.0	54.4	62.2	63.7	68.9	71.0	72.0	73.6	74.2	74.3	74.7	75.4	76.0	77.2	
≥200	33.1	44.3	51.3	54.9	63.0	64.7	70.7	74.1	75.4	79.6	80.7	81.4	82.3	85.3	87.3	90.1	
≥100	33.1	44.3	51.3	54.9	63.0	64.7	70.7	74.1	75.4	79.9	81.5	82.6	84.0	88.1	91.0	97.0	
≥0	33.1	44.3	51.3	54.9	63.0	64.7	70.7	74.1	75.4	80.0	81.7	82.8	84.2	88.4	91.6	100.0	

TOTAL NUMBER OF OBSERVATIONS

829

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4167
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	12.9	17.6	18.8	19.9	21.1	21.1	21.4	21.5	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 20000	16.5	22.4	23.8	24.9	26.1	26.1	26.4	26.7	26.8	26.9	26.9	26.9	26.9	27.0	27.0	27.0
≥ 18000	16.6	22.5	23.9	25.0	26.2	26.2	26.6	26.8	26.9	27.0	27.0	27.0	27.0	27.2	27.2	27.2
≥ 16000	16.6	22.5	23.9	25.0	26.2	26.2	26.6	26.8	26.9	27.0	27.0	27.0	27.0	27.2	27.2	27.2
≥ 14000	16.6	22.5	23.9	25.0	26.2	26.2	26.6	26.8	26.9	27.0	27.0	27.0	27.0	27.2	27.2	27.2
≥ 12000	16.9	22.8	24.5	25.6	26.8	26.8	27.2	27.4	27.5	27.6	27.6	27.6	27.6	27.8	27.8	27.8
≥ 10000	18.3	24.4	26.1	27.2	28.3	28.3	28.7	28.9	29.1	29.2	29.2	29.2	29.2	29.3	29.3	29.3
≥ 9000	18.8	25.2	27.3	28.3	29.5	29.5	29.9	30.1	30.3	30.4	30.4	30.4	30.4	30.5	30.5	30.5
≥ 8000	21.3	27.9	30.5	31.7	33.0	33.0	33.4	33.6	33.9	34.0	34.0	34.0	34.0	34.1	34.1	34.1
≥ 7000	21.7	28.2	30.9	32.1	33.4	33.4	33.7	34.0	34.2	34.3	34.3	34.3	34.3	34.4	34.4	34.4
≥ 6000	21.9	28.5	31.2	32.4	33.9	33.9	34.2	34.4	34.7	34.8	34.8	34.8	34.8	34.9	34.9	34.9
≥ 5000	22.2	28.8	31.6	32.8	34.2	34.2	34.6	34.9	35.2	35.3	35.3	35.3	35.3	35.4	35.4	35.4
≥ 4500	23.0	29.7	32.9	34.1	35.5	35.5	35.9	36.2	36.5	36.6	36.6	36.6	36.6	36.7	36.7	36.7
≥ 4000	25.2	32.7	36.0	37.4	38.9	38.9	39.5	39.8	40.1	40.3	40.3	40.3	40.3	40.4	40.4	40.4
≥ 3500	27.8	35.3	38.9	40.3	41.9	41.9	42.6	42.9	43.2	43.4	43.4	43.4	43.4	43.5	43.5	43.5
≥ 3000	30.0	37.8	41.6	43.3	45.1	45.1	45.9	46.3	46.7	46.9	46.9	46.9	46.9	47.0	47.0	47.0
≥ 2500	34.6	43.4	47.4	49.0	51.0	51.0	52.2	52.5	52.9	53.1	53.1	53.1	53.1	53.2	53.2	53.2
≥ 2000	38.2	47.7	52.2	54.1	56.1	56.2	57.8	58.1	58.5	58.7	58.7	58.7	58.7	58.9	58.9	58.9
≥ 1800	38.9	48.6	53.1	55.0	57.1	57.2	58.7	59.2	59.6	59.8	59.8	59.8	59.8	59.9	59.9	59.9
≥ 1500	41.6	51.9	56.8	59.1	61.5	61.6	63.8	64.4	64.7	65.0	65.0	65.0	65.0	65.1	65.1	65.1
≥ 1200	44.9	56.0	61.4	63.8	67.0	67.5	70.2	70.8	71.2	71.4	71.4	71.4	71.4	71.5	71.5	71.5
≥ 1000	46.2	58.3	63.8	66.3	69.9	70.3	73.1	73.7	74.0	74.3	74.3	74.3	74.3	74.4	74.4	74.4
≥ 900	46.7	58.7	64.2	66.7	70.5	70.9	73.8	74.4	74.8	75.0	75.0	75.0	75.0	75.1	75.1	75.1
≥ 800	47.2	60.2	65.7	68.3	72.2	72.7	76.3	76.9	77.3	77.5	77.5	77.5	77.5	77.6	77.6	77.6
≥ 700	47.4	60.4	66.0	68.8	73.2	73.7	77.3	78.0	78.3	78.6	78.6	78.6	78.6	78.7	78.8	78.8
≥ 600	48.2	61.2	66.9	70.2	75.1	75.8	79.5	80.3	80.6	80.9	80.9	81.0	81.0	81.1	81.1	81.2
≥ 500	48.6	61.8	67.7	71.5	77.8	78.8	82.8	84.1	84.6	85.2	85.3	85.4	85.4	85.5	85.5	85.8
≥ 400	48.8	62.2	68.1	72.1	78.9	80.0	84.4	85.8	86.2	87.2	87.3	87.4	87.4	87.6	87.6	87.8
≥ 300	48.8	62.2	68.1	72.2	79.3	80.4	85.3	87.4	88.2	90.3	90.6	90.7	90.7	90.9	91.1	91.7
≥ 200	48.8	62.2	68.1	72.2	79.4	80.5	85.9	88.4	89.4	92.0	92.3	92.6	92.6	92.8	93.3	95.1
≥ 100	48.8	62.2	68.1	72.2	79.4	80.5	85.9	88.5	89.6	92.3	92.8	93.2	93.4	94.5	96.8	98.9
≥ 0	48.8	62.2	68.1	72.2	79.4	80.5	85.9	88.5	89.6	92.3	92.8	93.2	93.4	94.5	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 836

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 165
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	18.2	22.6	23.3	23.7	24.7	25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥ 20000	22.3	28.3	29.3	29.9	31.4	31.9	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 18000	22.9	28.9	29.9	30.5	32.0	32.5	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 16000	23.1	29.2	30.2	30.8	32.4	32.9	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 14000	23.3	29.4	30.5	31.1	32.6	33.1	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 12000	24.3	30.5	32.0	32.6	34.2	34.6	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 10000	25.1	31.5	33.2	33.8	35.4	35.8	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 9000	25.7	32.6	34.3	35.2	36.9	37.4	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 8000	27.8	35.5	37.6	38.7	40.6	41.1	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 7000	28.7	36.6	38.8	39.9	41.9	42.4	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 6000	28.9	36.9	39.2	40.3	42.3	42.8	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 5000	29.9	38.1	40.4	41.5	43.5	44.0	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 4500	31.2	40.0	42.4	43.5	45.5	46.0	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 4000	34.8	44.0	46.7	47.8	49.9	50.4	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 3500	37.9	47.9	50.8	51.9	54.0	54.5	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 3000	43.5	54.2	57.1	58.2	60.6	61.1	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 2500	46.4	58.1	61.1	62.4	64.8	65.4	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 2000	49.2	61.9	65.4	67.1	69.9	70.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1800	50.2	62.8	66.3	68.1	70.8	71.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 1500	51.7	64.8	68.6	70.5	73.6	74.3	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1200	52.1	65.4	69.4	71.7	75.1	75.9	77.7	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1000	52.7	66.2	70.6	73.1	77.2	77.9	80.2	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 900	53.3	66.9	71.4	74.0	78.1	78.9	81.1	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 800	53.3	67.0	72.2	74.7	79.1	79.8	82.2	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 700	53.8	67.7	73.0	75.5	80.0	80.8	83.9	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 600	54.0	68.1	73.4	76.0	81.1	81.8	85.4	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 500	54.2	68.6	74.4	77.1	82.4	83.2	86.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 400	54.2	68.6	74.6	77.2	83.2	83.9	87.9	89.4	89.5	89.8	90.2	90.2	90.2	90.2	90.2	90.2
≥ 300	54.2	68.6	74.6	77.2	83.6	84.3	89.2	91.0	91.3	91.9	92.4	92.6	92.6	92.7	93.0	93.0
≥ 200	54.2	68.6	74.6	77.2	84.0	84.7	90.0	92.5	93.0	93.9	94.5	94.9	95.0	95.1	95.9	95.9
≥ 100	54.2	68.6	74.6	77.2	84.0	84.7	90.0	92.5	93.0	94.1	94.7	95.2	95.3	96.1	97.5	99.0
≥ 0	54.2	68.6	74.6	77.2	84.0	84.7	90.0	92.5	93.0	94.1	94.7	95.2	95.3	96.1	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5163

HAHN AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	20.9	25.3	27.5	28.0	29.7	30.1	31.1	31.7	31.7	32.1	32.3	32.3	32.3	32.3	32.3	32.3
≥ 20000	24.3	29.5	32.7	33.7	35.8	36.2	37.6	38.5	38.5	38.9	39.1	39.1	39.1	39.1	39.1	39.1
≥ 18000	24.6	29.9	33.1	34.1	36.2	36.6	38.0	38.8	38.8	39.3	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	24.6	29.9	33.1	34.1	36.2	36.6	38.0	38.8	38.8	39.3	39.4	39.4	39.4	39.4	39.4	39.4
≥ 14000	24.9	30.1	33.3	34.3	36.4	36.8	38.2	39.1	39.1	39.5	39.7	39.7	39.7	39.7	39.7	39.7
≥ 12000	25.2	30.5	33.7	34.8	37.2	37.5	39.1	39.9	39.9	40.4	40.5	40.5	40.5	40.5	40.5	40.5
≥ 10000	26.3	31.7	34.9	36.0	38.5	38.8	40.4	41.2	41.2	41.7	41.8	41.8	41.8	41.8	41.8	41.8
≥ 9000	26.8	32.3	35.7	36.9	39.9	40.3	41.8	42.7	42.7	43.1	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000	29.0	34.9	38.5	39.8	43.2	43.6	45.2	46.0	46.0	46.5	46.6	46.6	46.6	46.6	46.6	46.6
≥ 7000	29.7	35.8	39.4	40.7	44.6	44.9	46.6	47.4	47.4	47.9	48.0	48.0	48.0	48.0	48.0	48.0
≥ 6000	30.2	36.4	40.1	41.5	45.3	45.6	47.3	48.1	48.1	48.6	48.7	48.7	48.7	48.7	48.7	48.7
≥ 5000	31.2	37.6	41.3	42.7	47.1	47.6	49.3	50.2	50.2	50.7	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4500	32.6	39.7	43.4	44.8	49.2	49.7	51.5	52.3	52.3	52.8	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4000	36.2	44.2	48.1	49.6	54.5	55.0	56.9	57.7	57.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 3500	38.8	47.4	51.4	53.5	58.7	59.3	61.2	62.0	62.0	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 3000	41.7	50.7	54.6	57.0	62.2	62.8	64.8	65.6	65.6	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 2500	42.2	51.7	55.9	58.3	63.6	64.2	66.1	66.9	66.9	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 2000	44.3	54.5	59.5	62.2	68.2	68.8	70.8	71.8	71.8	72.4	72.5	72.5	72.5	72.5	72.5	72.5
≥ 1800	44.7	55.0	60.0	62.8	68.9	69.5	71.6	72.5	72.5	73.1	73.2	73.2	73.2	73.2	73.2	73.2
≥ 1500	45.8	56.6	62.1	65.1	71.3	72.0	74.2	75.3	75.3	76.0	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1200	46.5	57.9	63.7	66.9	73.1	73.8	76.6	77.7	77.7	78.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1000	46.6	58.3	64.0	67.7	74.3	75.0	77.9	79.0	79.1	79.8	79.9	79.9	79.9	79.9	79.9	79.9
≥ 900	46.6	58.3	64.0	67.7	74.3	75.0	77.9	79.0	79.1	79.8	79.9	79.9	79.9	79.9	79.9	79.9
≥ 800	46.7	58.4	64.5	68.6	75.5	76.2	79.2	80.8	80.9	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 700	47.0	58.8	64.9	69.1	76.1	76.9	80.2	81.7	81.8	82.7	82.8	82.8	82.8	82.8	82.8	82.8
≥ 600	47.0	58.9	65.0	69.3	76.7	77.5	81.1	82.8	83.0	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥ 500	47.0	59.1	65.5	69.8	77.4	78.3	82.1	83.8	84.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 400	47.2	59.4	65.7	70.3	78.3	79.1	83.2	85.5	86.0	87.3	87.6	87.6	88.1	88.1	88.1	88.1
≥ 300	47.2	59.4	65.7	70.4	78.9	79.7	84.1	86.9	87.3	88.9	89.1	89.4	89.8	90.1	90.1	90.1
≥ 200	47.2	59.4	65.7	70.4	79.1	79.9	84.6	87.8	88.9	91.4	91.8	92.1	92.8	93.3	93.8	93.9
≥ 100	47.2	59.4	65.7	70.4	79.3	80.2	85.1	88.3	89.5	92.4	92.7	93.2	93.9	94.6	95.2	98.0
≥ 0	47.2	59.4	65.7	70.4	79.3	80.2	85.1	88.3	89.5	92.4	92.7	93.2	93.9	94.6	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

OCI
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
LOCAL TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	21.4	26.8	28.8	30.0	33.1	33.2	34.5	34.9	35.0	35.2	35.5	35.6	35.7	35.9	35.9	36.2
≥ 20000	23.2	29.0	31.3	32.9	36.4	36.7	38.7	39.4	39.5	39.8	40.0	40.1	40.3	40.5	40.5	40.7
≥ 18000	23.4	29.2	31.5	33.2	36.7	36.9	38.9	39.7	39.8	40.0	40.3	40.4	40.5	40.7	40.7	41.0
≥ 16000	23.4	29.2	31.5	33.2	36.7	36.9	38.9	39.7	39.8	40.0	40.3	40.4	40.5	40.7	40.7	41.0
≥ 14000	23.6	29.3	31.6	33.3	36.8	37.0	39.1	39.8	39.9	40.1	40.4	40.5	40.6	40.9	40.9	41.1
≥ 12000	23.8	29.6	31.9	33.5	37.0	37.3	39.3	40.0	40.1	40.4	40.6	40.7	40.9	41.1	41.1	41.3
≥ 10000	24.0	30.2	32.5	34.1	37.9	38.1	40.1	40.9	41.0	41.2	41.5	41.6	41.7	41.9	41.9	42.2
≥ 9000	24.8	31.9	33.3	35.1	39.1	39.3	41.3	42.1	42.3	42.5	42.8	42.9	43.0	43.4	43.4	43.6
≥ 8000	26.4	32.7	35.1	37.3	41.8	42.1	44.2	45.0	45.2	45.4	45.7	45.8	45.9	46.3	46.3	46.5
≥ 7000	26.4	32.8	35.2	37.4	42.2	42.4	44.6	45.3	45.6	45.8	46.0	46.2	46.3	46.6	46.6	46.9
≥ 6000	26.6	33.1	35.5	37.6	42.4	42.7	44.8	45.6	45.8	46.0	46.3	46.4	46.5	46.9	46.9	47.1
≥ 5000	27.2	33.7	36.1	38.2	43.0	43.5	45.8	46.5	46.8	47.0	47.2	47.4	47.5	47.8	47.8	48.1
≥ 4500	28.5	35.6	38.0	40.1	45.0	45.4	47.7	48.8	49.0	49.3	49.5	49.6	49.8	50.1	50.1	50.4
≥ 4000	31.5	39.3	42.7	44.8	51.0	50.5	52.9	54.0	54.2	54.4	54.7	54.8	54.9	55.3	55.3	55.5
≥ 3500	33.8	41.9	45.6	47.7	53.5	54.0	56.4	57.5	57.7	57.9	58.2	58.3	58.4	58.8	58.8	59.0
≥ 3000	35.0	43.3	47.0	49.5	55.5	56.0	58.4	59.5	59.7	60.0	60.2	60.3	60.5	60.8	60.8	61.1
≥ 2500	36.2	44.7	48.4	51.1	57.3	57.8	60.5	61.5	61.8	62.0	62.3	62.4	62.5	62.9	62.9	63.1
≥ 2000	37.5	46.5	51.0	53.7	60.2	60.7	63.5	64.5	64.8	65.4	65.6	65.7	65.9	66.2	66.2	66.5
≥ 1800	38.0	47.0	51.7	54.7	61.3	61.8	64.7	65.7	66.0	66.6	66.8	66.9	67.1	67.4	67.4	67.7
≥ 1500	39.7	49.0	54.2	57.3	64.2	64.7	68.4	69.5	69.7	70.4	70.7	70.8	70.9	71.3	71.3	71.5
≥ 1200	41.1	50.8	56.1	59.6	66.8	67.3	71.4	72.5	72.7	73.6	73.8	73.9	74.2	74.5	74.5	74.8
≥ 1000	41.8	51.9	57.5	61.1	68.8	69.2	73.6	74.8	75.0	75.8	76.1	76.2	76.4	76.8	76.8	77.0
≥ 900	41.8	51.9	57.6	61.2	68.9	69.4	73.7	74.9	75.1	76.0	76.2	76.3	76.6	76.9	76.9	77.2
≥ 800	42.4	52.6	58.7	62.5	70.7	71.2	75.6	76.8	77.0	77.9	78.1	78.2	78.5	78.8	78.8	79.1
≥ 700	42.4	52.6	58.8	62.7	71.2	71.6	76.1	77.3	77.6	78.5	78.7	78.8	79.1	79.4	79.4	79.7
≥ 600	42.5	52.8	58.9	63.2	71.8	72.2	77.2	78.4	78.7	79.6	79.8	79.9	80.2	80.5	80.5	80.8
≥ 500	42.9	53.1	59.3	63.8	73.3	73.9	79.0	80.2	80.6	82.0	82.2	82.5	82.8	83.2	83.2	83.4
≥ 400	42.9	53.2	59.4	63.9	73.9	74.5	80.0	81.4	82.0	83.4	84.2	84.3	84.6	85.0	85.0	85.2
≥ 300	42.9	53.2	59.5	64.4	75.1	75.7	81.3	82.6	83.3	85.2	85.8	86.1	86.4	87.5	87.6	87.9
≥ 200	42.9	53.2	59.5	64.4	75.5	76.1	82.3	84.6	85.6	87.9	88.6	89.1	89.7	91.6	92.2	92.4
≥ 100	42.9	53.2	59.5	64.5	75.8	76.4	82.8	85.1	86.2	89.2	90.0	90.5	91.1	93.6	94.4	97.4
≥ 0	42.9	53.2	59.5	64.5	75.8	76.4	82.8	85.1	86.2	89.3	90.1	90.6	91.2	93.8	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 1160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	15.4	19.3	21.1	22.0	23.9	24.1	25.0	25.8	25.9	26.8	27.0	27.1	27.4	27.8	28.0	28.3
≥ 18000	17.9	22.4	24.5	25.6	27.8	28.0	29.2	30.1	30.3	31.1	31.4	31.5	31.8	32.2	32.5	32.8
≥ 16000	18.0	22.6	24.6	25.7	27.9	28.1	29.4	30.3	30.4	31.3	31.5	31.6	32.0	32.4	32.7	33.0
≥ 14000	18.1	22.6	24.7	25.8	28.0	28.2	29.4	30.4	30.5	31.4	31.6	31.7	32.0	32.4	32.7	33.1
≥ 12000	18.2	22.7	24.8	25.9	28.2	28.4	29.6	30.5	30.7	31.5	31.8	31.9	32.2	32.6	32.9	33.2
≥ 10000	18.5	23.1	25.3	26.5	28.7	28.9	3.1	31.1	31.2	32.1	32.4	32.5	32.8	33.2	33.5	33.8
≥ 9000	19.3	24.0	26.2	27.4	29.8	30.0	31.3	32.2	32.4	33.3	33.5	33.6	33.9	34.4	34.7	35.0
≥ 8000	19.7	24.7	27.1	28.4	30.9	31.1	32.4	33.4	33.5	34.4	34.7	34.8	35.2	35.6	35.9	36.2
≥ 7000	21.3	26.5	29.2	30.6	33.4	33.6	35.1	36.1	36.3	37.2	37.5	37.6	37.9	38.3	38.7	39.0
≥ 6000	21.7	27.0	29.7	31.1	34.0	34.2	35.7	36.7	36.9	37.9	38.1	38.2	38.6	39.0	39.3	39.7
≥ 5000	21.8	27.2	30.0	31.4	34.3	34.6	36.0	37.1	37.2	38.2	38.5	38.6	38.9	39.3	39.7	40.0
≥ 4500	22.5	28.0	30.8	32.2	35.2	35.5	37.0	38.1	38.3	39.2	39.5	39.6	40.0	40.4	40.7	41.1
≥ 4000	23.4	29.3	32.2	33.6	36.8	37.0	38.6	39.8	40.0	41.0	41.3	41.4	41.7	42.2	42.5	42.9
≥ 3500	26.3	32.8	35.1	37.7	41.0	41.3	43.1	44.3	44.5	45.6	45.8	46.0	46.3	46.8	47.1	47.4
≥ 3000	28.3	34.9	38.4	40.1	43.6	43.9	45.9	47.0	47.3	48.4	48.6	48.8	49.1	49.6	49.9	50.3
≥ 2500	30.4	37.7	41.3	43.1	46.8	47.2	49.2	50.4	50.7	51.8	52.1	52.2	52.6	53.0	53.4	53.7
≥ 2000	32.0	39.8	43.6	45.6	49.5	49.8	52.0	53.2	53.5	54.6	54.9	55.0	55.4	55.8	56.2	56.5
≥ 1800	33.9	42.3	46.5	48.7	52.9	53.2	55.6	56.9	57.1	58.4	58.6	58.8	59.1	59.6	59.9	60.3
≥ 1500	34.4	42.8	47.2	49.4	53.6	54.0	56.4	57.7	57.9	59.2	59.4	59.6	59.9	60.4	60.7	61.1
≥ 1200	36.0	45.0	49.9	52.4	56.9	57.3	60.0	61.4	61.8	63.0	63.3	63.5	63.8	64.3	64.6	65.0
≥ 1000	37.8	47.4	52.5	55.2	60.0	60.5	63.5	65.0	65.3	66.6	67.0	67.1	67.5	67.9	68.3	68.7
≥ 900	38.7	48.8	54.1	57.0	62.3	62.8	65.9	67.4	67.8	69.1	69.5	69.6	70.0	70.5	70.8	71.3
≥ 800	39.0	49.2	54.5	57.5	62.8	63.3	66.5	68.0	68.4	69.7	70.1	70.2	70.6	71.1	71.4	71.9
≥ 700	39.4	49.9	55.5	58.7	64.4	64.9	68.3	69.9	70.3	71.7	72.0	72.1	72.5	73.0	73.4	73.9
≥ 600	39.6	50.3	56.0	59.4	65.3	65.9	69.5	71.1	71.5	72.9	73.2	73.4	73.8	74.3	74.7	75.2
≥ 500	39.9	50.8	56.5	60.2	66.5	67.2	71.0	72.7	73.2	74.7	75.0	75.2	75.6	76.1	76.5	77.0
≥ 400	40.2	51.2	57.1	61.1	68.0	68.8	73.0	74.9	75.5	77.3	77.7	77.9	78.4	79.0	79.4	79.8
≥ 300	40.3	51.4	57.4	61.4	69.0	69.7	74.4	76.6	77.3	79.3	79.8	80.0	80.6	81.2	81.5	82.0
≥ 200	40.3	51.4	57.5	61.7	69.7	70.5	75.6	78.2	79.1	81.8	82.4	82.7	83.5	84.6	85.3	85.8
≥ 100	40.4	51.5	57.6	61.9	70.1	70.9	76.4	79.5	80.7	84.3	85.2	85.7	86.9	88.9	90.4	91.3
≥ 0	40.5	51.6	57.7	61.9	70.2	71.1	76.7	79.8	81.2	85.2	86.3	87.0	88.3	91.5	93.9	97.5
0	40.5	51.6	57.7	61.9	70.2	71.1	76.7	79.9	81.2	85.2	86.3	87.0	88.4	91.7	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6654

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167

HAHN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	16.1	18.7	20.2	20.3	21.6	21.6	21.8	22.4	22.4	23.7	23.8	23.9	24.1	24.4	24.7	25.2
≥ 20000	17.1	20.1	21.6	22.1	23.3	23.3	23.8	24.4	24.4	25.7	25.8	25.9	26.1	26.4	26.7	27.2
≥ 18000	17.1	20.1	21.6	22.1	23.3	23.3	23.8	24.4	24.4	25.7	25.8	25.9	26.1	26.4	26.7	27.2
≥ 16000	17.1	20.1	21.6	22.1	23.3	23.3	23.8	24.4	24.4	25.7	25.8	25.9	26.1	26.4	26.7	27.2
≥ 14000	17.1	20.1	21.6	22.1	23.3	23.3	23.8	24.4	24.4	25.7	25.8	25.9	26.1	26.4	26.7	27.2
≥ 12000	17.1	20.1	21.6	22.1	23.3	23.3	23.8	24.4	24.4	25.7	25.8	25.9	26.1	26.4	26.7	27.2
≥ 10000	17.1	20.1	21.6	22.1	23.3	23.3	23.8	24.4	24.4	25.7	25.8	25.9	26.1	26.4	26.7	27.2
≥ 9000	17.7	20.8	22.4	22.9	24.3	24.3	24.9	25.6	25.6	26.8	26.9	27.1	27.2	27.6	27.3	28.3
≥ 8000	18.2	21.3	22.9	23.4	24.8	24.8	25.4	26.1	26.1	27.3	27.4	27.6	27.7	28.1	28.3	28.8
≥ 7000	19.3	22.6	24.2	24.8	26.2	26.2	26.8	27.4	27.4	28.7	28.8	28.9	29.1	29.4	29.7	30.2
≥ 6000	19.8	23.1	24.7	25.3	26.7	26.7	27.3	27.9	27.9	29.2	29.3	29.4	29.6	29.9	30.2	30.7
≥ 5000	20.2	23.4	25.1	25.7	27.2	27.2	27.8	28.4	28.4	29.7	29.8	29.9	30.0	30.4	30.7	31.2
≥ 4500	21.3	24.8	26.6	27.3	28.8	28.8	29.6	30.2	30.2	31.4	31.5	31.7	31.8	32.2	32.4	32.9
≥ 4000	21.6	25.1	26.9	27.7	29.2	29.2	29.9	30.7	30.7	31.9	32.0	32.2	32.3	32.7	32.9	33.4
≥ 3500	24.6	28.3	30.5	31.5	33.7	33.8	34.7	35.4	35.4	36.8	36.9	37.0	37.2	37.5	37.9	38.3
≥ 3000	26.3	30.3	32.5	33.7	36.3	36.4	37.3	38.0	38.0	39.4	39.5	39.7	39.8	40.1	40.4	40.9
≥ 2500	27.8	32.3	35.0	36.2	39.2	39.3	40.5	41.4	41.4	42.8	42.9	43.0	43.1	43.5	43.8	44.3
≥ 2000	29.3	34.2	36.9	38.0	41.4	41.5	42.9	43.8	43.8	45.1	45.3	45.4	45.5	45.9	46.1	46.6
≥ 1800	31.7	37.3	40.1	41.4	45.4	45.5	46.9	47.8	47.8	49.4	49.5	49.6	49.8	50.1	50.4	50.9
≥ 1500	32.5	38.4	41.4	42.8	47.1	47.3	48.6	49.5	49.5	51.1	51.2	51.4	51.5	51.9	52.1	52.6
≥ 1200	34.7	40.6	43.9	45.6	51.0	51.1	52.5	53.4	53.4	55.0	55.1	55.2	55.4	55.7	56.0	56.5
≥ 1000	36.8	43.6	47.3	49.8	55.4	55.5	57.0	57.9	57.9	59.5	59.6	59.7	59.9	60.2	60.5	61.0
≥ 900	38.2	45.9	50.0	52.5	58.4	58.5	60.0	60.8	60.8	62.5	62.6	62.7	63.2	63.6	63.8	64.3
≥ 800	38.5	46.8	50.9	54.0	59.9	60.0	61.5	62.3	62.3	64.0	64.1	64.2	64.7	65.1	65.3	65.8
≥ 700	39.5	48.6	52.9	56.1	62.6	62.7	64.2	65.1	65.1	66.7	66.8	67.0	67.5	67.8	68.1	68.6
≥ 600	39.7	48.8	53.0	56.4	63.2	63.3	65.1	66.0	66.0	67.6	67.7	67.8	68.3	68.7	69.0	69.5
≥ 500	40.4	49.6	54.0	57.9	66.2	66.5	68.8	70.1	70.1	72.3	72.4	72.6	73.1	73.4	73.7	74.2
≥ 400	41.3	50.7	55.6	59.6	69.0	69.2	72.9	74.7	74.7	77.1	77.2	77.6	78.2	78.6	78.8	79.3
≥ 300	41.6	51.4	56.4	60.5	71.6	71.8	75.7	77.4	77.4	79.9	80.0	80.4	81.0	81.4	81.7	82.2
≥ 200	41.9	51.6	56.6	61.0	73.1	73.4	78.3	80.7	80.7	83.2	83.3	83.7	84.5	85.4	85.7	86.2
≥ 100	41.9	51.6	56.6	61.0	73.9	74.3	79.8	82.3	82.8	85.4	85.7	86.2	87.3	88.7	89.4	90.1
≥ 0	41.9	51.6	56.6	61.0	73.9	74.3	79.9	82.5	83.0	86.3	86.5	87.0	88.3	90.8	92.6	95.4

TOTAL NUMBER OF OBSERVATIONS 802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6167

HAHN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	13.2	15.2	16.3	16.8	17.4	17.6	18.4	18.7	18.8	19.4	19.7	19.7	19.9	20.3	20.7	21.5
≥ 20000	13.7	15.7	16.6	17.3	18.1	18.2	19.1	19.3	19.4	20.1	20.3	20.3	20.6	21.0	21.3	22.1
≥ 18000	13.7	15.7	16.8	17.3	18.1	18.2	19.1	19.3	19.4	20.1	20.3	20.3	20.6	21.0	21.3	22.1
≥ 16000	13.9	15.9	17.1	17.6	18.3	18.4	19.3	19.6	19.7	20.3	20.6	20.6	20.8	21.2	21.6	22.3
≥ 14000	13.9	15.9	17.1	17.6	18.3	18.4	19.3	19.6	19.7	20.3	20.6	20.6	20.8	21.2	21.6	22.3
≥ 12000	13.9	15.9	17.1	17.6	18.3	18.4	19.3	19.6	19.7	20.3	20.6	20.6	20.8	21.2	21.6	22.3
≥ 10000	14.2	16.3	17.4	17.9	18.7	18.8	19.7	19.9	20.1	20.7	21.0	21.0	21.2	21.6	22.0	22.7
≥ 9000	14.2	16.3	17.4	17.9	18.7	18.8	19.7	19.9	20.1	20.7	21.0	21.0	21.2	21.6	22.0	22.7
≥ 8000	14.9	17.4	18.8	19.3	20.1	20.2	21.1	21.3	21.5	22.1	22.3	22.3	22.6	23.0	23.3	24.1
≥ 7000	15.4	18.1	19.4	19.9	20.7	20.8	21.7	22.0	22.1	22.7	23.0	23.0	23.2	23.6	24.0	24.7
≥ 6000	15.6	18.2	19.6	20.1	20.8	21.0	21.8	22.1	22.2	22.8	23.1	23.1	23.3	23.7	24.1	24.8
≥ 5000	15.9	18.9	20.3	21.0	21.7	21.8	22.7	23.0	23.1	23.7	24.0	24.0	24.2	24.6	25.0	25.7
≥ 4500	16.1	19.2	20.7	21.3	22.3	22.5	23.3	23.6	23.7	24.3	24.6	24.6	24.8	25.2	25.6	26.3
≥ 4000	19.3	23.1	24.8	25.5	27.2	27.4	28.5	28.7	28.9	29.5	29.7	29.7	30.0	30.4	30.7	31.5
≥ 3500	21.6	26.0	27.9	28.5	30.2	30.4	31.5	31.7	32.0	32.9	33.1	33.1	33.4	33.8	34.1	34.9
≥ 3000	23.0	27.7	29.9	30.5	33.1	33.2	34.8	35.0	35.5	36.5	36.8	36.8	37.0	37.4	37.8	38.5
≥ 2500	25.6	30.6	32.7	33.4	36.4	36.5	38.1	38.4	38.9	39.9	40.3	40.3	40.5	40.9	41.3	42.0
≥ 2000	28.4	33.6	36.0	36.6	40.3	40.4	42.5	42.9	43.5	44.5	44.9	44.9	45.2	45.5	45.9	46.7
≥ 1800	28.6	34.0	36.4	37.3	41.0	41.2	43.3	43.7	44.3	45.3	45.7	45.7	45.9	46.3	46.7	47.4
≥ 1500	31.6	37.5	40.2	41.4	46.2	46.3	48.6	48.9	49.6	50.6	50.9	50.9	51.2	51.6	51.9	52.7
≥ 1200	33.9	41.8	43.7	45.0	50.7	50.8	53.3	53.7	54.3	55.3	55.7	55.7	56.0	56.3	56.7	57.5
≥ 1000	35.3	42.4	45.4	46.9	52.6	52.7	55.7	56.1	56.7	57.7	58.2	58.2	58.5	59.1	59.5	60.2
≥ 900	35.1	42.9	46.0	48.1	53.7	53.8	56.8	57.2	57.8	58.8	59.3	59.3	59.6	60.2	60.6	61.4
≥ 800	36.5	44.7	47.9	50.9	56.8	57.0	60.1	60.5	61.1	62.1	62.6	62.6	62.9	63.5	63.9	64.6
≥ 700	36.5	44.8	48.2	51.4	57.5	57.7	61.1	61.5	62.1	63.1	63.6	63.6	63.9	64.5	64.9	65.6
≥ 600	36.9	45.2	48.7	52.4	59.7	60.0	64.5	65.2	66.0	67.1	67.6	67.6	67.9	68.5	69.0	69.8
≥ 500	37.8	47.1	50.8	54.7	63.2	63.7	69.0	70.4	71.1	72.3	72.9	72.9	73.4	74.0	74.9	75.7
≥ 400	38.0	47.3	51.1	55.5	65.1	65.7	71.6	73.0	73.8	75.5	76.2	76.2	76.7	77.6	78.2	78.9
≥ 300	38.0	47.3	51.2	55.7	66.9	67.8	75.0	77.0	78.2	80.3	81.2	81.7	82.3	83.8	84.2	84.9
≥ 200	38.0	47.3	51.2	55.8	67.3	68.1	75.4	78.0	79.4	82.4	83.4	84.4	85.8	87.8	89.2	90.0
≥ 100	38.0	47.3	51.2	55.8	67.3	68.1	75.4	78.2	79.8	83.3	84.3	85.6	87.3	89.6	91.5	96.0
≥ 0	38.0	47.3	51.2	55.8	67.3	68.1	75.4	78.2	79.8	83.3	84.3	85.6	87.5	89.8	92.0	100.0

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 8160

HAHN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	9.9	11.5	12.2	12.7	14.1	14.1	15.0	15.2	15.6	16.0	16.4	16.4	16.5	16.9	17.2	18.4
≥ 20000	17.7	12.4	13.4	13.9	15.2	15.2	16.2	16.5	16.9	17.2	17.6	17.6	17.7	18.1	18.5	19.6
≥ 18000	17.7	12.4	13.4	13.9	15.2	15.2	16.2	16.5	16.9	17.2	17.6	17.6	17.7	18.1	18.5	19.6
≥ 16000	17.7	12.5	13.5	14.0	15.4	15.4	16.4	16.6	17.0	17.4	17.7	17.7	17.9	18.2	18.6	19.7
≥ 14000	11.1	12.9	13.9	14.4	15.7	15.7	16.7	17.0	17.4	17.7	18.1	18.1	18.2	18.6	19.0	20.1
≥ 12000	11.2	13.0	14.0	14.5	15.9	15.9	16.9	17.1	17.5	17.9	18.2	18.2	18.4	18.7	19.1	20.2
≥ 10000	11.2	13.0	14.0	14.5	15.9	15.9	16.9	17.1	17.5	17.9	18.2	18.2	18.4	18.7	19.1	20.2
≥ 9000	11.5	13.2	14.2	14.7	16.1	16.1	17.1	17.4	17.7	18.1	18.5	18.5	18.6	19.0	19.4	20.5
≥ 8000	11.9	13.6	14.6	15.1	16.5	16.5	17.5	17.9	18.2	18.6	19.0	19.0	19.1	19.5	19.9	21.1
≥ 7000	12.4	14.1	15.1	15.6	17.0	17.0	18.0	18.4	18.7	19.1	19.5	19.5	19.6	20.0	20.3	21.6
≥ 6000	12.4	14.1	15.1	15.6	17.0	17.0	18.0	18.4	18.7	19.1	19.5	19.5	19.6	20.0	20.3	21.6
≥ 5000	13.2	15.1	16.1	16.6	18.0	18.0	19.0	19.4	19.7	20.1	20.5	20.5	20.6	21.0	21.3	22.6
≥ 4500	13.5	15.4	16.4	16.9	18.2	18.2	19.4	19.7	20.1	20.5	20.8	20.8	21.0	21.3	21.7	23.0
≥ 4000	16.4	19.0	20.5	21.0	22.5	22.5	23.6	24.0	24.5	24.8	25.2	25.2	25.3	25.7	26.1	27.3
≥ 3500	17.1	20.0	21.6	22.2	23.7	23.7	24.8	25.2	25.7	26.1	26.5	26.5	26.6	27.1	27.5	28.8
≥ 3000	19.9	23.1	25.1	26.0	27.6	27.6	28.7	29.1	29.8	30.2	30.6	30.6	30.7	31.2	31.6	33.0
≥ 2500	21.1	24.3	26.3	27.3	29.2	29.2	30.6	31.0	31.8	32.3	32.7	32.8	33.0	33.5	33.8	35.2
≥ 2000	23.2	26.6	29.0	30.1	32.5	32.6	34.6	35.1	36.2	36.8	37.2	37.3	37.5	38.0	38.3	39.7
≥ 1800	24.3	27.7	30.1	31.3	33.8	34.0	36.0	36.5	37.7	38.3	38.7	38.8	39.0	39.5	39.8	41.2
≥ 1500	26.2	30.3	33.2	35.3	38.3	38.7	41.1	41.6	42.8	43.6	44.1	44.2	44.3	44.8	45.2	46.6
≥ 1200	28.2	33.3	36.3	38.7	42.4	42.8	45.2	45.7	46.9	47.7	48.2	48.3	48.4	48.9	49.3	50.7
≥ 1000	28.8	35.0	38.1	40.7	45.1	45.4	47.9	48.4	49.7	50.6	51.1	51.2	51.3	51.8	52.2	53.6
≥ 900	29.6	36.1	39.6	42.9	47.3	47.7	50.2	50.7	51.9	52.8	53.3	53.4	53.6	54.1	54.4	55.8
≥ 800	30.6	38.0	41.8	45.6	50.4	50.8	53.6	54.1	55.3	56.4	56.9	57.1	57.2	57.7	58.1	59.4
≥ 700	31.1	38.7	42.7	46.7	52.2	52.6	55.4	56.1	57.3	58.4	58.9	59.1	59.2	59.7	60.0	61.4
≥ 600	31.8	40.2	44.2	48.9	55.2	55.6	58.8	59.8	61.0	62.2	62.7	62.8	62.9	63.5	63.9	65.3
≥ 500	33.6	42.3	46.4	52.1	60.5	60.9	64.7	66.2	67.4	68.7	69.2	69.4	69.5	70.3	70.7	72.0
≥ 400	33.7	42.7	46.9	52.6	61.4	61.9	66.2	67.7	69.0	70.7	71.2	71.4	71.7	72.7	73.0	74.4
≥ 300	34.1	43.1	47.7	53.4	63.3	64.0	69.2	71.7	73.4	75.5	76.3	76.8	77.2	78.5	78.9	80.3
≥ 200	34.2	43.2	47.8	53.6	63.8	64.8	70.9	73.8	76.7	80.0	80.9	81.9	82.9	84.9	86.0	87.6
≥ 100	34.2	43.2	47.8	53.6	63.8	64.8	70.9	73.8	76.8	80.6	81.8	82.8	84.4	88.3	90.5	95.1
≥ 0	34.2	43.2	47.8	53.6	63.8	64.8	70.9	73.8	76.8	80.6	81.8	82.9	84.5	88.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 c160

HAHN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	9.7	11.5	13.2	13.6	15.7	15.9	16.5	16.5	16.5	16.6	16.9	16.9	17.0	17.4	17.9	18.1
≥ 20000	10.5	13.0	15.0	15.4	17.5	17.6	18.2	18.2	18.4	18.5	18.7	18.7	18.9	19.2	19.7	20.0
IV ≥ 18000	10.7	13.2	15.2	15.6	17.7	17.9	18.5	18.5	18.6	18.7	19.0	19.0	19.1	19.5	20.0	20.2
IV ≥ 16000	10.7	13.2	15.2	15.6	17.7	17.9	18.5	18.5	18.6	18.7	19.0	19.0	19.1	19.5	20.0	20.2
IV ≥ 14000	11.5	14.1	16.1	16.5	18.6	18.7	19.4	19.4	19.5	19.6	19.9	19.9	20.0	20.3	20.8	21.1
IV ≥ 12000	11.6	14.2	16.2	16.6	18.7	18.9	19.5	19.5	19.6	19.7	20.0	20.0	20.1	20.5	21.0	21.2
IV ≥ 10000	12.1	14.7	16.7	17.1	19.6	19.7	20.3	20.3	20.5	20.6	20.8	20.8	21.0	21.3	21.8	22.2
IV ≥ 9000	13.1	15.9	17.9	18.2	20.7	20.8	21.5	21.5	21.6	21.7	22.0	22.0	22.1	22.5	23.0	23.3
IV ≥ 8000	14.5	17.2	19.4	19.7	22.2	22.3	23.0	23.0	23.1	23.2	23.5	23.5	23.6	24.0	24.5	24.8
IV ≥ 7000	15.1	17.9	20.1	20.6	23.2	23.3	24.0	24.0	24.1	24.2	24.5	24.5	24.6	25.0	25.5	25.8
IV ≥ 6000	15.1	17.9	20.1	20.6	23.2	23.3	24.0	24.0	24.1	24.2	24.5	24.5	24.6	25.0	25.5	25.8
IV ≥ 5000	15.6	18.4	20.6	21.1	23.7	23.8	24.5	24.5	24.6	24.7	25.0	25.0	25.1	25.5	26.0	26.3
IV ≥ 4500	16.2	19.2	21.5	22.0	24.7	24.8	25.5	25.5	25.6	25.7	26.0	26.0	26.1	26.5	27.0	27.3
IV ≥ 4000	18.0	21.3	23.6	24.1	27.0	27.1	27.7	27.7	27.8	28.0	28.2	28.2	28.3	28.7	29.2	29.6
IV ≥ 3500	19.7	22.7	25.1	25.7	28.6	28.7	29.6	29.6	29.7	29.8	30.1	30.1	30.2	30.6	31.2	31.6
IV ≥ 3000	20.6	24.5	27.0	27.7	31.1	31.2	32.3	32.3	32.5	32.6	32.8	32.8	33.1	33.6	34.2	34.6
IV ≥ 2500	22.3	26.0	28.5	29.6	33.2	33.3	34.7	34.7	34.8	35.0	35.2	35.2	35.5	36.0	36.6	37.0
IV ≥ 2000	25.2	29.5	32.1	33.3	37.5	37.6	39.6	40.0	40.1	40.4	40.7	40.8	41.1	41.6	42.2	42.6
IV ≥ 1800	25.7	30.0	33.0	34.3	38.6	38.7	40.8	41.2	41.3	41.7	41.9	42.1	42.3	42.8	43.4	43.8
IV ≥ 1500	28.3	32.8	36.2	38.2	43.1	43.2	45.6	45.9	46.1	46.4	46.7	46.8	47.1	47.6	48.2	48.6
IV ≥ 1200	31.7	37.3	40.8	42.8	48.2	48.3	50.8	51.2	51.3	51.7	51.9	52.1	52.3	52.8	53.4	53.8
IV ≥ 1000	32.8	39.1	42.7	44.8	50.9	51.1	53.8	54.8	54.9	55.4	55.7	55.8	56.1	56.7	57.3	57.7
IV ≥ 900	33.5	40.0	43.6	45.8	51.9	52.1	54.9	55.9	56.1	56.6	56.8	56.9	57.2	57.8	58.4	58.8
IV ≥ 800	34.8	42.1	45.8	48.4	54.9	55.1	58.4	59.4	59.6	60.2	60.4	60.5	60.8	61.4	62.0	62.4
IV ≥ 700	35.7	43.3	47.4	50.3	57.7	57.8	61.2	62.2	62.3	62.9	63.2	63.3	63.5	64.2	64.8	65.2
IV ≥ 600	36.1	43.9	48.4	51.4	59.7	59.8	63.8	64.8	64.9	65.5	65.8	65.9	66.2	66.9	67.5	67.9
IV ≥ 500	37.1	44.9	49.7	53.9	62.9	63.0	68.0	69.9	70.3	71.0	71.8	71.9	72.3	73.3	73.9	74.3
IV ≥ 400	37.7	45.9	50.8	55.7	65.5	65.7	71.7	74.2	74.7	75.7	76.4	76.7	77.2	78.2	78.8	79.3
IV ≥ 300	37.8	46.2	51.1	56.2	66.5	66.9	73.5	76.5	77.4	78.9	79.8	80.0	80.6	81.6	82.4	82.9
IV ≥ 200	38.3	46.3	51.2	56.6	67.4	67.8	74.8	78.2	79.4	81.4	82.6	83.1	84.4	86.5	88.4	89.0
IV ≥ 100	38.0	46.3	51.2	56.6	67.4	67.8	74.8	78.2	79.4	81.4	83.0	83.5	85.3	89.9	93.8	96.8
IV ≥ 0	38.0	46.3	51.2	56.6	67.4	67.8	74.8	78.2	79.4	81.4	83.0	83.5	85.3	89.9	93.8	100.0

TOTAL NUMBER OF OBSERVATIONS

801

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
A1- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-167
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	13.2	15.4	16.3	16.9	18.4	18.4	18.7	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	19.1
≥ 20000	16.3	19.3	20.5	21.3	23.4	23.4	23.9	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.2	24.4
≥ 18000	16.8	19.8	21.0	21.8	23.9	23.9	24.4	24.5	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.9
≥ 16000	17.1	20.0	21.3	22.0	24.2	24.2	24.7	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	25.2
≥ 14000	17.6	20.7	21.9	22.7	24.8	24.8	25.3	25.4	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.8
≥ 12000	18.4	21.5	22.8	23.5	25.7	25.7	26.2	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.7
≥ 10000	19.6	22.7	23.9	24.7	26.9	26.9	27.4	27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.9
≥ 9000	19.9	23.3	24.5	25.3	27.6	27.6	28.3	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.8
≥ 8000	20.3	23.7	24.9	25.7	28.1	28.1	28.8	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.3
≥ 7000	21.0	24.5	25.9	26.7	29.1	29.1	29.8	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.3
≥ 6000	21.3	24.8	26.2	26.9	29.4	29.4	30.0	30.1	30.1	30.1	30.1	30.3	30.3	30.3	30.3	30.5
≥ 5000	21.3	24.8	26.2	26.9	29.4	29.4	30.0	30.1	30.1	30.1	30.1	30.3	30.3	30.3	30.3	30.5
≥ 4500	21.5	25.0	26.4	27.1	29.6	29.6	30.3	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.8
≥ 4000	23.0	26.7	28.0	28.8	31.4	31.4	32.0	32.1	32.1	32.1	32.1	32.3	32.3	32.3	32.3	32.5
≥ 3500	24.2	27.9	29.5	30.4	33.1	33.3	33.9	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.4
≥ 3000	26.7	30.6	32.3	33.1	36.6	36.7	37.6	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.2
≥ 2500	29.1	33.4	35.0	36.4	39.9	40.0	40.8	41.1	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.6
≥ 2000	32.3	37.9	39.9	41.3	45.3	45.5	46.3	46.6	46.7	46.8	46.9	46.9	46.9	46.9	46.9	47.2
≥ 1800	34.9	41.5	42.5	44.1	48.1	48.2	49.1	49.3	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.9
≥ 1500	38.7	45.5	47.7	49.9	54.3	54.4	55.3	55.5	55.7	55.8	55.9	55.9	55.9	55.9	55.9	56.2
≥ 1200	41.7	48.9	51.2	53.5	58.2	58.3	59.4	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.3
≥ 1000	44.3	51.7	54.0	57.2	62.0	62.1	63.5	64.0	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.8
≥ 900	44.5	52.3	54.8	57.9	62.9	63.0	64.4	64.9	65.0	65.3	65.5	65.5	65.5	65.5	65.5	65.8
≥ 800	46.0	54.3	56.9	60.1	65.5	65.8	67.7	68.5	68.6	69.1	69.4	69.4	69.4	69.4	69.4	69.6
≥ 700	46.5	55.7	58.4	62.1	68.1	68.5	70.9	71.7	71.9	72.5	72.7	72.7	72.7	72.7	72.7	73.0
≥ 600	46.9	56.7	59.8	63.8	70.5	70.9	74.0	75.1	75.2	75.8	76.1	76.1	76.1	76.1	76.1	76.3
≥ 500	47.6	57.7	60.9	66.3	74.2	74.6	78.7	80.4	80.6	81.2	81.8	81.8	81.8	82.1	82.1	82.3
≥ 400	47.7	58.3	61.9	67.2	75.6	76.1	80.3	82.3	82.6	83.4	84.2	84.2	84.2	84.4	84.4	84.7
≥ 300	47.7	58.3	61.9	67.2	75.8	76.5	81.1	83.7	83.9	85.3	86.1	86.4	86.7	87.2	87.2	87.5
≥ 200	47.7	58.3	61.9	67.4	76.0	76.6	81.2	84.4	84.8	86.8	88.0	88.7	89.0	90.0	90.9	91.5
≥ 100	47.7	58.3	61.9	67.4	76.0	76.6	81.2	84.4	85.1	87.2	88.4	89.2	89.5	92.5	95.9	98.1
≥ 0	47.7	58.3	61.9	67.4	76.0	76.6	81.2	84.4	85.1	87.3	88.5	89.3	89.7	92.7	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 803

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160 HAHN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	14.7	16.0	17.0	17.1	18.0	18.3	18.4	18.4	18.4	18.5	18.6	18.6	18.6	18.6	18.6	18.6
≥ 20000	17.6	19.5	20.6	21.0	22.1	22.4	22.9	22.9	22.9	23.0	23.1	23.1	23.1	23.1	23.1	23.1
≥ 18000	18.1	20.0	21.1	21.5	22.6	22.9	23.4	23.5	23.5	23.7	23.9	23.9	23.9	23.9	23.9	23.9
≥ 16000	18.4	20.2	21.4	21.7	22.9	23.1	23.6	23.7	23.7	24.0	24.1	24.1	24.1	24.1	24.1	24.1
≥ 14000	19.1	21.0	22.1	22.5	23.6	23.9	24.3	24.5	24.5	24.7	24.8	24.8	24.8	24.8	24.8	24.8
≥ 12000	21.0	23.2	24.3	24.7	26.1	26.3	26.8	27.0	27.0	27.2	27.3	27.3	27.3	27.3	27.3	27.3
≥ 10000	21.7	24.2	25.3	25.7	27.2	27.5	28.0	28.1	28.1	28.3	28.4	28.4	28.4	28.4	28.4	28.4
≥ 9000	22.2	24.8	26.0	26.3	27.8	28.1	28.6	28.7	28.7	28.9	29.1	29.1	29.1	29.1	29.1	29.1
≥ 8000	23.7	26.5	27.6	28.0	29.4	29.7	30.2	30.3	30.3	30.6	30.7	30.7	30.7	30.7	30.7	30.7
≥ 7000	24.7	27.5	28.6	28.9	30.4	30.7	31.2	31.3	31.3	31.6	31.7	31.8	31.8	31.8	31.8	31.8
≥ 6000	24.7	27.5	28.6	28.9	30.6	30.8	31.3	31.4	31.4	31.7	31.8	31.9	31.9	31.9	31.9	31.9
≥ 5000	25.7	28.4	29.6	29.9	31.6	31.9	32.4	32.5	32.5	32.8	32.9	33.0	33.0	33.0	33.0	33.0
≥ 4500	25.8	28.6	29.7	30.1	31.7	32.0	32.5	32.7	32.7	32.9	33.0	33.3	33.3	33.3	33.3	33.3
≥ 4000	29.1	32.3	33.5	33.9	35.8	36.1	36.8	36.9	36.9	37.1	37.3	37.5	37.5	37.5	37.5	37.5
≥ 3500	31.1	34.3	35.6	36.3	38.4	38.8	39.4	39.5	39.5	39.9	40.0	40.2	40.2	40.2	40.2	40.2
≥ 3000	33.2	37.1	39.1	40.0	42.6	43.0	43.7	43.9	43.9	44.2	44.3	44.6	44.6	44.6	44.6	44.6
≥ 2500	35.4	40.4	42.4	43.6	46.5	46.8	47.6	47.8	47.8	48.2	48.5	48.6	48.7	48.7	48.7	48.7
≥ 2000	37.9	43.7	45.8	47.6	50.8	51.2	52.2	52.4	52.4	52.8	52.9	53.2	53.3	53.3	53.3	53.3
≥ 1800	39.1	45.1	47.5	49.2	52.4	52.8	53.8	54.0	54.0	54.4	54.5	54.8	54.9	54.9	54.9	54.9
≥ 1500	42.0	48.6	51.2	53.2	56.9	57.3	58.3	58.6	58.6	59.0	59.1	59.4	59.5	59.5	59.5	59.5
≥ 1200	44.7	52.8	56.0	58.3	62.1	62.6	63.7	64.1	64.1	64.8	65.0	65.2	65.3	65.3	65.3	65.3
≥ 1000	46.1	54.8	58.4	60.9	64.8	65.3	66.7	67.1	67.2	68.0	68.1	68.3	68.4	68.4	68.4	68.4
≥ 900	46.1	54.8	58.4	61.1	65.1	65.6	67.2	67.6	67.7	68.4	68.6	68.8	68.9	68.9	68.9	68.9
≥ 800	47.2	55.9	59.9	63.2	67.5	68.0	70.1	70.4	70.6	71.7	71.8	72.0	72.2	72.2	72.2	72.2
≥ 700	47.7	56.8	61.0	64.6	69.3	69.9	72.0	72.4	72.5	73.8	73.9	74.2	74.3	74.3	74.3	74.3
≥ 600	48.2	57.5	62.4	66.2	71.8	72.5	75.2	75.7	75.9	77.5	77.6	77.9	78.0	78.0	78.0	78.0
≥ 500	48.3	57.8	62.6	66.7	73.0	73.9	77.6	78.4	78.6	80.4	80.7	81.0	81.1	81.2	81.4	81.4
≥ 400	48.6	58.3	63.2	67.3	74.0	74.9	79.0	80.2	80.6	82.4	82.7	83.0	83.1	83.5	83.6	83.6
≥ 300	48.7	58.6	63.9	68.0	75.2	76.0	80.7	82.6	83.0	86.0	86.6	86.8	87.3	87.8	88.0	88.0
≥ 200	48.7	58.6	63.9	68.1	75.5	76.4	81.2	83.7	84.5	88.9	89.7	90.4	91.3	92.0	92.2	92.7
≥ 100	48.7	58.6	64.0	68.2	75.8	76.6	81.6	84.2	85.0	89.4	90.2	91.1	92.0	93.4	95.4	98.0
≥ 0	48.7	58.6	64.0	68.2	75.8	76.6	81.6	84.2	85.0	89.4	90.2	91.1	92.0	93.4	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160

HAHN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	15.7	17.9	18.4	19.2	20.2	20.3	20.9	21.4	21.5	21.5	21.7	21.7	21.8	21.8	21.9	21.9
≥ 20000	17.9	20.8	21.4	22.2	23.4	23.5	24.3	24.9	25.0	25.0	25.2	25.2	25.3	25.3	25.4	25.4
IV 18000	18.2	21.0	21.7	22.4	23.7	23.8	24.5	25.2	25.3	25.3	25.4	25.4	25.5	25.5	25.7	25.7
IV 16000	18.2	21.0	21.7	22.4	23.7	23.8	24.5	25.2	25.3	25.3	25.4	25.4	25.5	25.5	25.7	25.7
IV 14000	18.4	21.3	21.9	22.7	23.9	24.0	24.9	25.5	25.7	25.7	25.8	25.8	25.9	25.9	26.0	26.0
IV 12000	19.7	22.8	23.4	24.2	25.4	25.5	26.4	27.0	27.1	27.1	27.3	27.3	27.4	27.4	27.5	27.5
IV 10000	20.5	23.9	24.5	25.3	26.8	26.9	28.0	28.6	28.8	28.8	28.9	28.9	29.0	29.0	29.1	29.1
IV 9000	21.3	24.8	25.4	26.2	27.6	27.8	28.9	29.5	29.6	29.6	29.8	29.8	29.9	29.9	30.0	30.0
IV 8000	21.9	25.8	26.4	27.1	28.8	28.9	30.3	30.9	31.0	31.0	31.1	31.1	31.3	31.3	31.4	31.4
IV 7000	22.3	26.2	26.8	27.5	29.4	29.5	30.9	31.5	31.6	31.6	31.8	31.8	31.9	31.9	32.0	32.0
IV 6000	22.3	26.2	26.8	27.5	29.4	29.5	30.9	31.5	31.6	31.6	31.8	31.8	31.9	31.9	32.0	32.0
IV 5000	23.9	27.8	28.4	29.4	31.5	31.8	33.1	33.7	33.9	33.9	34.0	34.0	34.1	34.1	34.2	34.2
IV 4500	23.9	27.8	28.4	29.4	31.5	31.8	33.1	33.7	33.9	33.9	34.0	34.0	34.1	34.5	34.5	34.6
IV 4000	27.6	31.8	32.4	33.4	35.7	36.1	37.5	38.1	38.2	38.2	38.4	38.5	38.9	38.9	39.0	39.0
IV 3500	30.3	35.0	35.7	36.7	39.4	39.7	41.1	41.7	41.8	42.1	42.2	42.3	42.7	42.7	42.8	42.8
IV 3000	32.0	37.2	38.6	39.6	42.5	42.8	44.5	45.1	45.2	45.5	45.6	45.7	46.1	46.2	46.3	46.3
IV 2500	34.1	39.4	40.7	42.5	45.5	45.8	47.4	48.1	48.2	48.4	48.6	48.7	49.1	49.2	49.3	49.3
IV 2000	36.7	43.0	44.3	46.2	49.3	49.9	51.6	52.3	52.4	52.7	52.8	52.9	53.3	53.4	53.5	53.5
IV 1800	37.7	44.0	45.3	47.3	50.4	51.1	52.7	53.4	53.5	53.8	53.9	54.0	54.4	54.5	54.7	54.7
IV 1500	39.7	47.2	48.8	51.1	55.3	55.9	57.5	58.4	58.5	58.8	58.9	59.0	59.4	59.5	59.7	59.7
IV 1200	41.1	49.8	51.7	54.3	59.2	59.8	61.5	62.4	62.5	62.8	62.9	63.0	63.4	63.5	63.6	63.6
IV 1000	41.7	51.2	53.2	56.2	61.6	62.3	64.1	65.0	65.1	65.4	65.5	65.6	66.0	66.1	66.3	66.3
IV 900	42.2	51.7	53.7	56.8	62.4	63.0	65.0	65.9	66.0	66.3	66.4	66.5	66.9	67.0	67.1	67.2
IV 800	42.5	52.4	54.4	57.7	63.9	64.5	67.4	68.5	68.6	69.2	69.4	69.5	69.9	70.0	70.1	70.2
IV 700	43.5	53.5	55.7	59.4	66.9	67.5	70.7	71.9	72.0	72.6	72.7	72.9	73.2	73.3	73.5	73.6
IV 600	43.6	53.9	56.2	60.3	69.2	70.0	74.6	76.2	76.5	77.2	77.3	77.5	77.8	78.0	78.1	78.2
IV 500	44.0	54.4	56.7	60.9	70.5	71.2	76.3	78.3	78.7	79.8	80.1	80.4	80.9	81.1	81.2	81.3
IV 400	44.1	54.5	56.9	61.1	72.4	73.2	79.0	81.1	81.6	83.2	83.4	83.8	84.3	84.4	84.6	84.7
IV 300	44.1	54.5	57.2	61.5	73.5	74.6	80.7	83.3	83.9	85.9	86.3	86.7	87.8	87.9	88.0	88.2
IV 200	44.1	54.5	57.2	61.5	73.6	74.8	81.2	84.1	85.1	88.3	89.3	89.9	91.2	92.3	92.5	92.7
IV 100	44.1	54.5	57.2	61.5	73.6	74.8	81.2	84.1	85.1	88.3	89.3	90.3	91.8	93.8	94.9	96.8
IV 0	44.1	54.5	57.2	61.5	73.7	75.0	81.3	84.2	85.2	88.4	89.4	90.4	91.9	93.9	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 803

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6163
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	18.3	20.1	21.1	21.4	22.7	22.7	23.3	23.4	23.9	24.3	24.3	24.4	24.6	25.1	25.2	25.3
≥ 20000	19.6	21.9	22.9	23.3	24.6	24.6	25.2	25.3	25.8	26.4	26.4	26.6	26.7	27.2	27.3	27.4
≥ 18000	19.6	22.1	23.1	23.4	24.7	24.7	25.3	25.4	25.9	26.6	26.6	26.7	26.8	27.3	27.4	27.6
≥ 16000	19.6	22.1	23.1	23.4	24.8	24.8	25.4	25.6	26.1	26.7	26.7	26.8	26.9	27.4	27.6	27.7
≥ 14000	19.6	22.1	23.1	23.4	24.8	24.8	25.4	25.6	26.1	26.7	26.7	26.8	26.9	27.4	27.6	27.7
≥ 12000	19.8	22.4	23.4	23.8	25.2	25.2	25.8	25.9	26.4	27.1	27.1	27.2	27.3	27.8	27.9	28.1
≥ 10000	20.9	23.9	24.9	25.3	26.7	26.7	27.7	27.8	28.3	28.9	28.9	29.1	29.2	29.7	29.8	29.9
≥ 9000	21.9	24.9	25.9	26.3	27.7	27.7	28.7	28.8	29.3	29.9	29.9	30.0	30.2	30.7	30.8	30.9
≥ 8000	22.7	25.8	26.8	27.2	28.6	28.6	29.6	29.7	30.2	30.8	30.8	30.9	31.0	31.5	31.7	31.8
≥ 7000	22.7	25.8	26.8	27.2	28.6	28.6	29.6	29.7	30.2	30.8	30.8	30.9	31.0	31.5	31.7	31.9
≥ 6000	23.2	26.3	27.3	27.7	29.1	29.1	30.0	30.2	30.7	31.3	31.3	31.4	31.5	32.0	32.2	32.4
≥ 5000	24.6	27.8	28.8	29.4	30.8	30.8	32.2	32.3	32.8	33.4	33.4	33.5	33.7	34.2	34.3	34.5
≥ 4500	24.9	28.2	29.2	29.8	31.2	31.2	32.5	32.7	33.2	33.8	33.8	33.9	34.4	34.9	35.0	35.3
≥ 4000	28.2	31.8	33.3	33.7	35.8	36.0	37.5	37.7	38.2	38.8	38.8	38.9	39.4	40.0	40.1	40.4
≥ 3500	30.4	34.4	35.8	36.8	38.9	39.2	40.6	40.8	41.3	41.9	41.9	42.0	42.5	43.1	43.3	43.5
≥ 3000	31.8	36.2	38.0	39.2	41.6	41.9	43.4	43.5	44.0	44.6	44.6	44.9	45.4	46.0	46.1	46.4
≥ 2500	33.7	38.3	40.1	41.4	44.5	44.8	46.5	46.6	47.1	47.8	47.8	48.0	48.5	49.1	49.3	49.5
≥ 2000	36.3	41.5	43.5	44.8	48.1	48.4	50.1	50.4	51.0	51.6	51.6	51.9	52.4	53.0	53.1	53.4
≥ 1800	36.9	42.3	44.4	45.6	49.5	49.8	51.5	51.9	52.5	53.1	53.1	53.4	53.9	54.5	54.6	54.9
≥ 1500	38.8	45.0	47.1	48.8	53.5	53.7	55.5	56.0	56.6	57.2	57.2	57.5	58.0	58.6	58.7	59.0
≥ 1200	40.9	48.0	50.1	52.0	57.1	57.4	59.1	59.6	60.2	60.8	60.8	61.1	61.6	62.2	62.3	62.6
≥ 1000	43.3	51.5	54.0	55.9	61.6	61.8	63.6	64.1	64.7	65.3	65.3	65.6	66.2	66.8	67.0	67.2
≥ 900	43.3	52.0	54.6	56.6	62.5	62.7	64.5	65.0	65.6	66.2	66.2	66.5	67.1	67.7	67.8	68.1
≥ 800	44.3	52.9	55.7	57.9	64.0	64.2	66.1	66.7	67.3	68.1	68.1	68.3	69.0	69.6	69.7	70.0
≥ 700	44.4	53.5	56.6	59.0	65.5	65.7	68.5	69.2	69.8	70.6	70.6	70.8	71.4	72.1	72.2	72.4
≥ 600	44.8	54.4	57.7	60.7	68.0	68.6	72.1	72.8	73.4	74.3	74.3	74.6	75.2	75.8	75.9	76.2
≥ 500	45.1	55.0	58.5	61.8	69.6	70.2	74.4	75.4	76.1	77.6	77.6	77.9	78.6	79.2	79.3	79.6
≥ 400	45.8	55.7	59.5	63.0	71.2	72.1	76.6	77.6	78.2	79.8	79.8	80.2	80.9	81.7	81.8	82.0
≥ 300	45.8	56.1	59.9	63.3	72.1	73.1	78.2	79.3	80.3	82.0	82.0	82.8	83.9	84.9	85.0	85.3
≥ 200	45.9	56.2	60.0	63.5	72.6	73.6	79.4	80.8	82.3	85.7	86.2	87.2	88.3	89.7	90.1	90.4
≥ 100	45.9	56.2	60.0	63.5	72.6	73.6	79.4	80.9	82.4	86.3	86.9	88.0	89.5	92.8	94.4	96.0
≥ 0	45.9	56.2	60.0	63.5	72.6	73.6	79.4	80.9	82.4	86.3	86.9	88.0	89.5	93.0	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
MOON

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ 0
NO CEILING	13.8	15.8	16.9	17.3	18.5	18.6	19.1	19.4	19.5	19.9	20.0	20.0	20.2	20.4	20.6	21.0
≥ 20000	15.4	17.8	19.0	19.6	21.0	21.0	21.7	22.0	22.1	22.5	22.7	22.7	22.8	23.1	23.3	23.7
IV 18000	15.6	18.0	19.2	19.8	21.2	21.2	21.9	22.2	22.3	22.7	22.9	22.9	23.0	23.3	23.5	23.9
IV 16000	15.7	18.1	19.3	19.9	21.3	21.4	22.0	22.3	22.5	22.9	23.0	23.1	23.2	23.4	23.6	24.0
IV 14000	16.1	18.5	19.7	20.2	21.6	21.7	22.4	22.7	22.8	23.2	23.4	23.4	23.6	23.8	24.0	24.4
IV 12000	16.6	19.2	20.4	20.9	22.4	22.4	23.1	23.4	23.6	24.0	24.1	24.2	24.3	24.5	24.7	25.1
IV 10000	17.3	20.0	21.2	21.7	23.3	23.3	24.1	24.4	24.5	24.9	25.1	25.1	25.3	25.5	25.7	26.1
IV 9000	17.8	20.6	21.8	22.3	23.9	24.0	24.8	25.0	25.2	25.6	25.8	25.8	25.9	26.2	26.4	26.8
IV 8000	18.7	21.6	22.8	23.4	25.0	25.1	25.9	26.2	26.3	26.7	26.9	26.9	27.1	27.3	27.5	27.9
IV 7000	19.2	22.1	23.4	24.0	25.6	25.7	26.6	26.8	27.0	27.4	27.6	27.6	27.7	28.0	28.2	28.6
IV 6000	19.3	22.3	23.6	24.1	25.8	25.9	26.7	27.0	27.2	27.6	27.8	27.8	27.9	28.2	28.4	28.8
IV 5000	20.2	23.3	24.6	25.2	26.9	27.1	27.9	28.2	28.4	28.8	29.0	29.0	29.1	29.4	29.6	30.0
IV 4500	20.5	23.6	24.9	25.5	27.3	27.4	28.3	28.6	28.8	29.2	29.4	29.4	29.6	29.9	30.1	30.5
IV 4000	23.3	26.8	28.3	29.0	31.1	31.3	32.3	32.6	32.8	33.2	33.3	33.4	33.6	33.9	34.1	34.5
IV 3500	25.0	28.8	30.5	31.3	33.6	33.8	34.8	35.1	35.3	35.8	35.9	36.0	36.2	36.5	36.7	37.2
IV 3000	26.9	31.1	33.1	34.0	36.8	37.0	38.2	38.5	38.8	39.3	39.5	39.6	39.8	40.1	40.3	40.7
IV 2500	28.8	33.3	35.3	36.5	39.6	39.8	41.1	41.4	41.7	42.3	42.4	42.5	42.8	43.1	43.3	43.7
IV 2000	31.5	36.6	38.9	40.2	43.7	43.9	45.5	45.9	46.3	46.9	47.1	47.2	47.4	47.7	48.0	48.4
IV 1800	32.5	37.7	40.1	41.5	45.1	45.4	47.0	47.4	47.8	48.4	48.6	48.7	49.0	49.3	49.5	49.9
IV 1500	35.1	41.0	43.5	45.4	49.8	50.1	51.8	52.3	52.7	53.3	53.5	53.6	53.9	54.2	54.4	54.8
IV 1200	37.4	44.3	47.1	49.3	54.2	54.4	56.3	56.8	57.1	57.8	58.0	58.2	58.4	58.7	58.9	59.4
IV 1000	38.7	46.4	49.5	51.9	57.1	57.4	59.4	60.1	60.4	61.2	61.4	61.5	61.8	62.1	62.4	62.8
IV 900	39.2	47.1	50.2	52.9	58.2	58.5	60.6	61.2	61.6	62.3	62.5	62.7	62.9	63.3	63.5	64.0
IV 800	40.2	48.6	51.9	55.0	60.7	61.0	63.5	64.2	64.5	65.5	65.7	65.8	66.1	66.4	66.7	67.1
IV 700	40.6	49.4	52.9	56.3	62.6	62.9	65.6	66.4	66.7	67.7	67.9	68.1	68.3	68.7	68.9	69.4
IV 600	41.1	50.2	53.9	57.7	65.0	65.5	69.0	70.0	70.4	71.5	71.7	71.9	72.2	72.6	72.8	73.2
IV 500	41.8	51.2	55.2	59.5	67.9	68.4	72.7	74.2	74.7	76.0	76.4	76.6	77.0	77.5	77.8	78.2
IV 400	42.2	51.8	55.8	60.4	69.6	70.2	75.0	76.7	77.2	78.8	79.2	79.5	79.9	80.5	80.8	81.2
IV 300	42.3	52.0	56.2	60.8	70.8	71.5	77.1	79.4	80.1	82.1	82.7	83.1	83.8	84.7	84.9	85.4
IV 200	42.3	52.0	56.2	60.9	71.3	72.1	78.0	80.7	81.9	84.9	85.7	86.5	87.5	89.0	89.9	90.5
IV 100	42.3	52.0	56.2	60.9	71.3	72.1	78.1	80.8	82.1	85.4	86.3	87.2	88.5	91.4	93.6	96.5
IV 0	42.3	52.0	56.2	60.9	71.3	72.1	78.1	80.8	82.1	85.4	86.3	87.2	88.6	91.5	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6414

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 F160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	8.0	10.0	10.5	10.5	12.6	12.7	14.3	15.2	15.2	15.6	15.6	15.7	15.9	16.4	17.0	17.3
≥ 20000	9.2	11.6	12.2	12.2	14.5	14.6	16.2	17.5	17.5	17.9	17.9	18.0	18.2	18.7	19.3	19.6
≥ 18000	9.2	11.6	12.2	12.2	14.5	14.6	16.2	17.5	17.5	17.9	17.9	18.0	18.2	18.7	19.3	19.6
≥ 16000	9.2	11.7	12.3	12.3	14.6	14.7	16.3	17.6	17.6	18.0	18.0	18.1	18.4	18.8	19.4	19.7
≥ 14000	9.2	11.7	12.3	12.3	14.6	14.7	16.3	17.6	17.6	18.0	18.0	18.1	18.4	18.8	19.4	19.7
≥ 12000	9.4	12.0	12.6	12.6	14.9	15.0	16.5	17.9	17.9	18.2	18.2	18.4	18.6	19.1	19.7	19.9
≥ 10000	9.8	12.3	12.9	12.9	15.2	15.3	16.9	18.2	18.2	18.6	18.6	18.7	19.0	19.4	20.0	20.3
≥ 9000	9.9	12.6	13.2	13.2	15.5	15.6	17.1	18.5	18.5	18.8	18.8	19.0	19.2	19.7	20.3	20.5
≥ 8000	10.4	13.2	14.1	14.1	16.4	16.5	18.1	19.4	19.4	19.8	19.8	19.9	20.2	20.7	21.3	21.5
≥ 7000	10.5	13.6	14.6	14.6	16.9	17.0	18.5	19.9	19.9	20.3	20.3	20.4	20.7	21.1	21.7	22.2
≥ 6000	10.9	14.1	15.1	15.1	17.4	17.5	19.1	20.4	20.4	20.8	20.8	20.9	21.1	21.6	22.2	22.5
≥ 5000	11.1	14.4	15.5	15.5	17.9	18.0	19.6	20.9	20.9	21.3	21.3	21.4	21.6	22.1	22.7	22.9
≥ 4500	11.6	14.9	15.9	15.9	18.4	18.5	20.0	21.4	21.4	21.7	21.7	21.9	22.1	22.6	23.2	23.4
≥ 4000	13.6	17.1	18.2	18.2	20.0	21.1	22.7	24.3	24.3	24.6	24.6	24.8	25.1	25.6	26.2	26.4
≥ 3500	14.9	18.4	19.4	19.4	22.5	22.6	24.4	26.1	26.1	26.4	26.4	26.6	26.9	27.4	28.0	28.3
≥ 3000	17.9	21.5	22.9	22.9	25.6	26.7	28.5	30.2	30.2	30.6	30.6	30.7	31.0	31.5	32.1	32.4
≥ 2500	21.5	25.7	27.2	27.2	30.8	30.9	32.9	34.5	34.5	34.9	34.9	35.0	35.4	35.9	36.5	36.7
≥ 2000	23.6	28.5	30.0	30.1	33.7	33.8	35.9	37.6	37.6	38.3	38.3	38.4	38.8	39.3	39.9	40.1
≥ 1800	24.4	29.3	30.8	30.9	34.7	34.8	36.8	38.5	38.5	39.3	39.3	39.4	39.7	40.2	40.8	41.1
≥ 1500	26.8	32.4	33.9	34.9	38.9	39.0	41.4	43.1	43.1	43.8	43.8	44.0	44.3	44.8	45.4	45.7
≥ 1200	28.6	35.0	36.7	37.9	43.1	43.2	45.7	47.3	47.3	48.1	48.1	48.2	48.6	49.0	49.6	49.9
≥ 1000	30.6	37.1	39.4	40.7	46.5	46.7	49.3	51.2	51.3	52.2	52.2	52.3	52.7	53.1	53.7	54.0
≥ 900	31.5	38.4	40.9	42.4	48.3	48.6	51.1	53.0	53.1	54.0	54.0	54.1	54.5	55.0	55.6	55.8
≥ 800	32.6	39.7	42.5	44.3	51.0	51.2	54.1	56.0	56.3	57.1	57.1	57.2	57.6	58.1	58.7	58.9
≥ 700	33.5	40.7	43.5	45.3	52.1	52.3	56.0	58.1	58.6	59.4	59.4	59.5	59.9	60.4	61.0	61.2
≥ 600	33.9	41.8	44.6	46.4	53.6	54.0	58.0	60.1	60.6	61.6	61.6	61.7	62.1	62.6	63.2	63.4
≥ 500	35.1	43.2	46.4	49.0	57.1	57.5	62.4	65.0	65.8	67.0	67.0	67.1	67.5	68.0	68.6	68.8
≥ 400	35.3	43.5	46.6	50.2	59.5	59.9	65.2	68.4	69.2	70.7	70.7	70.8	71.3	71.7	72.3	72.6
≥ 300	35.5	43.7	47.0	50.7	60.4	60.7	66.4	69.9	70.8	72.6	72.6	72.7	73.6	74.8	75.4	75.6
≥ 200	35.6	43.8	47.1	50.8	60.6	61.0	67.5	71.4	72.8	75.8	76.2	76.6	78.4	82.1	84.7	85.6
≥ 100	35.7	44.0	47.2	51.0	60.9	61.2	68.0	72.0	74.2	77.9	79.0	80.2	82.7	88.6	91.5	97.0
≥ 0	35.7	44.0	47.2	51.0	60.9	61.2	68.0	72.0	74.2	77.9	79.0	80.2	83.0	88.9	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 828

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	6.9	8.8	9.4	9.9	11.5	12.2	13.0	13.0	13.0	13.6	13.6	14.1	14.3	14.7	14.7	14.9
≥ 20000	7.6	9.7	10.4	10.9	12.6	13.3	14.4	14.4	14.4	15.0	15.0	15.5	15.6	16.1	16.1	16.2
IV 18000	7.6	9.7	10.4	10.9	12.6	13.3	14.6	14.6	14.6	15.2	15.2	15.7	15.8	16.3	16.3	16.4
IV 16000	7.7	9.8	10.5	11.0	12.7	13.4	14.7	14.7	14.7	15.3	15.3	15.8	15.9	16.4	16.4	16.5
IV 14000	7.7	9.8	10.5	11.0	12.7	13.4	14.7	14.7	14.7	15.3	15.3	15.8	15.9	16.4	16.4	16.5
IV 12000	7.7	9.8	10.5	11.0	12.7	13.4	14.7	14.7	14.7	15.3	15.3	15.8	15.9	16.4	16.4	16.5
IV 10000	7.7	9.9	10.6	11.1	12.8	13.5	14.9	14.9	14.9	15.5	15.5	15.9	16.1	16.5	16.5	16.7
IV 9000	7.7	10.0	10.7	11.2	12.9	13.6	15.0	15.0	15.0	15.6	15.6	16.1	16.2	16.7	16.7	16.8
IV 8000	8.3	10.7	11.8	12.4	14.4	15.1	16.7	16.7	16.7	17.3	17.3	17.8	17.9	18.4	18.4	18.5
IV 7000	8.5	11.1	12.2	12.9	14.9	15.6	17.1	17.1	17.1	17.8	17.8	18.2	18.4	18.8	18.8	19.0
IV 6000	8.5	11.1	12.2	12.9	14.9	15.6	17.1	17.1	17.1	17.8	17.8	18.2	18.4	18.8	18.8	19.0
IV 5000	8.7	11.4	12.4	13.2	15.1	15.8	17.4	17.4	17.4	18.0	18.0	18.5	18.6	19.1	19.1	19.2
IV 4500	9.5	12.4	13.5	14.3	16.2	16.9	18.5	18.5	18.5	19.2	19.2	19.7	19.8	20.3	20.3	20.4
IV 4000	10.6	13.9	15.1	15.9	18.4	19.1	20.9	20.9	20.9	21.6	21.6	22.1	22.2	22.7	22.7	22.8
IV 3500	12.3	15.6	16.8	17.6	20.2	20.9	22.8	22.8	22.8	23.6	23.6	24.0	24.2	24.6	24.6	24.8
IV 3000	14.1	17.4	18.8	19.7	22.7	23.4	25.4	25.4	25.4	26.1	26.1	26.6	26.7	27.2	27.2	27.3
IV 2500	17.5	20.9	22.6	23.7	26.7	27.4	29.5	29.5	29.5	30.2	30.2	30.7	30.8	31.3	31.3	31.4
IV 2000	19.6	23.3	25.0	26.2	29.5	30.2	32.6	32.6	32.6	33.7	33.9	34.4	34.5	35.0	35.0	35.1
IV 1800	20.0	24.2	25.8	27.2	30.4	31.2	33.6	33.6	33.6	34.7	34.9	35.4	35.5	36.0	36.0	36.1
IV 1500	24.0	28.9	31.2	32.6	36.0	36.7	39.4	39.4	39.4	40.5	40.7	41.2	41.3	41.8	41.8	41.9
IV 1200	26.2	32.9	35.3	37.2	40.9	41.7	44.3	44.4	44.4	45.5	45.8	46.3	46.4	46.9	46.9	47.0
IV 1000	27.4	34.5	37.1	39.1	43.6	44.2	46.9	47.1	47.1	48.3	48.6	49.0	49.2	49.6	49.6	49.8
IV 900	28.4	36.2	38.8	40.8	45.2	45.9	48.6	48.9	48.9	50.1	50.4	50.8	51.0	51.4	51.4	51.6
IV 800	30.3	39.5	42.5	45.2	49.6	50.5	53.5	53.9	53.9	55.1	55.3	55.8	55.9	56.4	56.4	56.5
IV 700	31.8	41.2	44.2	47.0	51.9	52.8	56.6	57.0	57.0	58.2	58.5	58.9	59.1	59.5	59.5	59.7
IV 600	32.4	42.8	45.9	48.8	54.3	55.2	59.5	60.4	60.4	61.7	62.0	62.6	62.7	63.2	63.2	63.3
IV 500	32.7	43.5	47.0	50.8	58.1	58.9	64.4	65.8	65.9	67.4	67.6	68.5	68.7	69.2	69.2	69.3
IV 400	32.9	43.6	47.2	51.4	59.9	60.7	67.1	68.7	68.8	70.5	71.0	71.9	72.3	72.8	72.8	72.9
IV 300	32.9	43.6	47.2	51.6	60.7	61.6	68.4	70.5	70.8	72.9	73.7	74.6	75.7	76.3	76.4	76.6
IV 200	32.9	43.6	47.2	51.6	61.2	62.1	69.7	72.1	72.3	75.5	76.3	77.4	79.0	82.0	83.7	84.7
IV 100	32.9	43.6	47.2	51.8	61.5	62.3	70.2	72.9	73.3	77.1	78.0	79.6	81.2	87.7	91.7	96.7
IV 0	32.9	43.6	47.2	51.8	61.5	62.3	70.2	72.9	73.3	77.1	78.0	79.6	81.3	88.0	92.5	100.0

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	6.6	8.2	9.3	9.8	11.0	11.1	12.1	12.4	12.4	13.1	13.1	13.3	13.4	13.6	13.6	13.6
≥ 20000	7.7	9.5	10.6	11.1	12.4	12.5	13.9	14.5	14.5	15.2	15.2	15.3	15.4	15.7	15.7	15.8
IV 18000	7.7	9.7	10.7	11.2	12.5	12.7	14.0	14.6	14.6	15.3	15.3	15.4	15.6	15.8	15.8	15.9
IV 16000	7.7	9.7	10.7	11.2	12.5	12.7	14.0	14.6	14.6	15.3	15.3	15.4	15.6	15.8	15.8	15.9
IV 14000	7.7	9.7	10.7	11.2	12.5	12.7	14.0	14.6	14.6	15.3	15.3	15.4	15.6	15.8	15.8	15.9
IV 12000	8.0	9.9	11.0	11.5	12.8	12.9	14.2	14.8	14.8	15.6	15.6	15.7	15.8	16.0	16.0	16.2
IV 10000	8.1	10.0	11.2	11.7	13.0	13.1	14.5	15.1	15.1	15.8	15.8	15.9	16.0	16.3	16.3	16.4
IV 9000	8.2	10.1	11.3	11.8	13.1	13.3	14.6	15.2	15.2	15.9	15.9	16.0	16.2	16.4	16.4	16.5
IV 8000	9.0	11.0	12.2	12.7	14.1	14.2	15.6	16.2	16.2	16.9	16.9	17.0	17.1	17.4	17.4	17.5
IV 7000	9.4	11.5	12.7	13.3	14.7	14.8	16.4	17.0	17.0	17.7	17.7	18.0	18.1	18.3	18.3	18.5
IV 6000	9.4	11.5	12.7	13.3	14.7	14.8	16.4	17.0	17.0	17.7	17.7	18.0	18.1	18.3	18.3	18.5
IV 5000	9.4	11.5	12.7	13.3	14.7	14.8	16.4	17.0	17.0	17.7	17.7	18.0	18.1	18.3	18.3	18.5
IV 4500	9.5	11.7	12.9	13.5	15.0	15.1	16.6	17.2	17.2	18.0	18.0	18.2	18.3	18.6	18.6	18.7
IV 4000	10.0	12.4	13.8	14.4	16.0	16.2	17.9	18.5	18.5	19.2	19.2	19.4	19.5	19.8	19.8	19.9
IV 3500	11.0	13.6	15.0	15.7	17.4	17.5	19.2	19.8	20.0	20.7	20.7	21.0	21.1	21.4	21.4	21.5
IV 3000	12.3	15.0	16.5	17.2	19.2	19.3	21.4	22.1	22.4	23.2	23.2	23.4	23.5	23.8	23.8	23.9
IV 2500	15.1	18.6	20.3	21.2	23.2	23.3	25.3	26.2	26.5	27.4	27.5	27.7	27.9	28.1	28.1	28.2
IV 2000	18.0	22.2	23.9	24.8	27.0	27.1	29.6	30.4	30.8	31.7	31.8	32.1	32.2	32.4	32.4	32.6
IV 1800	18.6	23.0	24.7	25.7	27.9	28.0	30.6	31.5	31.8	32.8	32.9	33.2	33.3	33.5	33.5	33.7
IV 1500	22.6	28.0	29.9	31.1	33.3	33.4	36.3	37.4	37.8	38.7	38.8	39.1	39.2	39.4	39.4	39.6
IV 1200	25.0	31.7	33.9	35.3	37.8	37.9	40.9	42.1	42.5	43.4	43.7	43.9	44.0	44.3	44.3	44.4
IV 1000	26.1	33.2	35.6	37.0	39.7	39.8	43.4	44.6	45.0	46.0	46.2	46.4	46.6	46.8	46.8	46.9
IV 900	27.5	35.6	38.1	39.6	42.2	42.3	46.0	47.2	47.5	48.5	48.7	49.0	49.1	49.3	49.3	49.5
IV 800	29.3	39.0	41.9	43.4	46.6	46.7	50.9	52.2	52.6	53.8	54.0	54.3	54.4	54.6	54.6	54.8
IV 700	30.8	40.9	43.8	45.6	49.1	49.2	53.8	55.1	55.5	56.7	56.9	57.2	57.3	57.5	57.5	57.7
IV 600	32.0	42.8	46.0	48.3	52.1	52.2	57.1	58.7	59.1	60.6	60.8	61.0	61.2	61.4	61.4	61.5
IV 500	33.1	44.5	48.0	51.1	56.7	57.1	62.8	65.6	66.1	67.7	67.9	68.2	68.3	68.6	68.6	68.8
IV 400	33.8	45.2	48.7	52.0	58.1	58.6	64.9	68.9	69.6	71.8	72.0	72.4	72.5	72.9	72.9	73.0
IV 300	33.9	45.5	49.0	52.2	58.9	59.3	66.0	70.3	71.0	74.4	74.7	75.4	75.6	76.4	76.4	76.5
IV 200	34.0	45.6	49.1	52.4	59.1	59.6	66.8	71.7	73.0	77.0	77.6	78.4	79.6	82.8	84.1	86.1
IV 100	34.0	45.6	49.1	52.4	59.1	59.6	66.8	71.8	73.5	77.8	78.6	79.6	81.2	86.7	90.7	97.6
IV 0	34.0	45.6	49.1	52.4	59.1	59.6	66.8	71.8	73.5	77.8	78.6	79.6	81.2	86.7	91.3	100.0

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6164
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05
NO CEILING	7.7	8.1	8.8	9.4	10.6	10.6	11.1	11.6	11.6	11.9	11.9	11.9	11.9	12.5	13.4	13.5
≥ 20000	9.6	10.8	11.9	12.5	13.8	14.0	14.7	15.4	15.4	15.8	15.8	15.8	15.8	16.4	17.3	17.7
IV 18000	9.6	10.8	11.9	12.5	13.8	14.0	14.7	15.4	15.4	15.8	15.8	15.8	15.8	16.4	17.3	17.7
IV 16000	9.6	10.8	11.9	12.5	13.8	14.0	14.7	15.4	15.4	15.8	15.8	15.8	15.8	16.4	17.3	17.7
IV 14000	9.6	10.8	11.9	12.5	13.8	14.0	14.7	15.4	15.4	15.8	15.8	15.8	15.8	16.4	17.3	17.7
IV 12000	9.9	11.2	12.3	12.9	14.2	14.3	15.0	15.8	15.8	16.1	16.1	16.1	16.1	16.7	17.7	18.1
IV 10000	10.1	11.4	12.5	13.1	14.4	14.6	15.4	16.1	16.1	16.6	16.7	16.7	16.7	17.3	18.3	18.7
IV 9000	10.2	11.6	12.6	13.2	14.6	14.7	15.5	16.2	16.2	16.7	16.8	16.8	16.8	17.4	18.4	18.8
IV 8000	11.3	13.1	14.3	14.9	16.2	16.4	17.4	18.2	18.2	18.8	18.9	18.9	18.9	19.5	20.5	20.8
IV 7000	11.7	13.5	14.7	15.3	16.6	16.7	17.8	18.5	18.5	19.1	19.3	19.3	19.3	19.9	20.8	21.2
IV 6000	11.9	13.6	14.8	15.4	16.7	16.8	18.1	18.8	18.8	19.4	19.5	19.5	19.5	20.1	21.1	21.4
IV 5000	12.2	14.2	15.4	16.0	17.4	17.6	18.8	19.5	19.5	20.2	20.3	20.3	20.5	21.1	22.0	22.4
IV 4500	12.3	14.3	15.6	16.2	17.7	17.8	19.0	19.9	19.9	20.6	20.7	20.7	20.8	21.4	22.4	22.9
IV 4000	13.2	15.8	17.3	18.1	19.6	19.7	2.4	22.3	22.3	23.0	23.1	23.1	23.2	23.8	24.8	25.3
IV 3500	13.7	16.7	18.3	19.0	20.8	20.9	22.7	23.6	23.6	24.3	24.4	24.4	24.5	25.4	26.4	26.8
IV 3000	14.7	17.9	19.6	20.5	22.4	22.5	24.3	25.4	25.5	26.4	26.5	26.5	26.6	27.4	28.4	28.9
IV 2500	15.8	19.1	20.8	21.8	23.8	23.9	26.1	27.2	27.6	28.6	28.8	28.8	28.9	29.7	30.7	31.2
IV 2000	18.3	22.4	24.2	25.4	27.6	27.7	30.0	31.2	31.6	32.9	33.1	33.1	33.2	34.1	35.0	35.5
IV 1800	18.9	23.2	25.0	26.5	28.6	28.8	31.0	32.3	32.7	33.9	34.2	34.2	34.3	35.1	36.1	36.6
IV 1500	22.4	27.2	29.2	31.2	33.8	33.9	36.3	37.7	38.3	39.5	39.7	39.7	39.8	40.7	41.6	42.1
IV 1200	24.7	30.2	32.3	34.3	36.9	37.1	39.5	40.8	41.4	42.6	42.8	42.8	43.0	43.8	44.8	45.2
IV 1000	27.6	33.6	35.9	37.9	41.0	41.2	43.7	45.7	46.3	47.5	47.8	47.8	47.9	48.7	49.7	50.2
IV 900	28.8	35.0	37.3	39.4	42.6	42.7	45.2	47.3	47.9	49.1	49.3	49.3	49.5	50.3	51.3	51.7
IV 800	30.8	37.9	40.3	42.4	46.2	46.3	49.2	51.3	51.9	53.3	53.5	53.5	53.7	54.5	55.5	56.1
IV 700	32.0	39.2	41.6	44.3	48.9	49.1	52.1	54.2	54.8	56.4	56.7	56.8	56.9	57.8	58.7	59.3
IV 600	33.1	40.9	43.7	46.3	51.6	52.0	55.2	57.5	58.2	60.0	60.4	60.5	60.6	61.5	62.5	63.1
IV 500	33.8	42.1	45.0	47.7	54.0	54.4	58.0	60.9	61.7	63.8	64.1	64.4	64.5	65.3	66.3	66.9
IV 400	33.9	42.4	45.2	48.0	54.9	55.2	59.6	62.7	63.5	66.2	66.5	66.8	66.9	67.7	68.7	69.3
IV 300	34.4	43.1	46.0	48.7	56.1	56.4	62.1	65.9	67.3	71.6	72.1	72.4	73.0	73.9	75.0	75.7
IV 200	34.4	43.1	46.1	48.9	56.2	56.6	62.7	67.0	69.0	74.7	75.7	76.2	77.6	80.3	84.0	87.2
IV 100	34.4	43.1	46.1	48.9	56.3	56.7	62.8	67.1	69.1	75.9	77.1	77.6	79.4	84.7	90.1	98.1
IV 0	34.4	43.1	46.1	48.9	56.3	56.7	62.8	67.1	69.1	75.9	77.1	77.6	79.4	85.0	90.7	100.0

TOTAL NUMBER OF OBSERVATIONS 831

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 160

HAHN AB DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	8.7	10.6	12.4	12.5	14.1	14.4	14.6	15.0	15.1	15.6	15.6	15.6	15.6	15.7	15.8	16.3
IV 20000	9.7	12.4	14.5	15.1	17.1	17.4	17.7	18.1	18.3	18.8	18.8	18.8	18.8	18.9	19.1	19.7
IV 18000	9.7	12.4	14.5	15.1	17.1	17.4	17.7	18.1	18.3	18.8	18.8	18.8	18.8	18.9	19.1	19.7
IV 16000	10.0	12.8	14.8	15.4	17.5	17.7	18.1	18.5	18.7	19.2	19.2	19.2	19.2	19.3	19.4	20.0
IV 14000	10.1	12.9	15.0	15.6	17.6	17.9	18.2	18.6	18.8	19.3	19.3	19.3	19.3	19.4	19.5	20.1
IV 12000	10.3	13.0	15.1	15.7	17.7	18.0	18.3	18.7	18.9	19.4	19.4	19.4	19.4	19.5	19.7	20.3
IV 10000	10.5	13.3	15.4	16.0	18.3	18.6	18.9	19.3	19.5	20.0	20.0	20.0	20.0	20.1	20.3	20.9
IV 9000	11.0	13.8	15.9	16.5	18.8	19.1	19.4	19.8	20.0	20.5	20.5	20.5	20.5	20.6	20.7	21.4
IV 8000	11.7	14.5	16.6	17.2	19.8	20.1	20.6	21.0	21.2	21.7	21.7	21.7	21.7	21.8	22.0	22.6
IV 7000	12.2	15.0	17.1	17.7	20.3	20.6	21.2	21.6	21.8	22.3	22.3	22.3	22.3	22.4	22.6	23.2
IV 6000	12.5	15.3	17.5	18.1	20.6	21.0	21.7	22.1	22.3	22.8	22.8	22.8	22.8	22.9	23.0	23.6
IV 5000	12.8	15.6	17.7	18.3	20.9	21.2	22.2	22.9	23.2	23.6	23.6	23.6	23.6	23.8	23.9	24.5
IV 4500	13.1	16.0	18.2	18.8	21.4	21.7	22.7	23.4	23.6	24.1	24.1	24.1	24.1	24.2	24.4	25.0
IV 4000	13.6	17.0	19.4	20.3	22.8	23.2	24.2	25.0	25.2	26.1	26.1	26.1	26.1	26.2	26.3	26.9
IV 3500	14.2	17.9	20.4	21.2	23.8	24.1	25.3	26.1	26.3	27.1	27.1	27.1	27.1	27.3	27.4	28.0
IV 3000	15.1	18.7	21.2	22.2	24.7	25.1	26.3	27.0	27.5	28.3	28.3	28.3	28.3	28.5	28.6	29.2
IV 2500	16.4	20.5	23.0	24.1	26.7	27.0	28.5	29.3	29.8	30.6	30.6	30.6	30.6	30.8	30.9	31.5
IV 2000	18.9	23.6	26.2	27.7	30.3	30.6	32.1	33.1	33.5	34.4	34.4	34.4	34.4	34.5	34.6	35.2
IV 1800	20.4	25.2	27.7	29.3	32.0	32.3	33.8	34.7	35.2	36.1	36.1	36.1	36.1	36.2	36.3	36.9
IV 1500	23.4	29.2	32.1	33.8	36.6	37.0	38.6	39.6	40.0	40.9	40.9	40.9	40.9	41.1	41.3	41.9
IV 1200	28.0	33.9	37.2	39.1	42.2	42.7	44.4	45.5	46.0	47.0	47.0	47.0	47.0	47.5	47.8	48.4
IV 1000	30.8	37.0	40.4	43.2	46.4	46.9	48.7	50.1	50.5	51.7	51.7	51.7	51.7	52.5	52.7	53.3
IV 900	31.7	38.1	41.7	44.5	47.9	48.4	50.2	51.5	52.0	53.3	53.3	53.3	53.3	54.0	54.3	54.9
IV 800	33.8	40.5	44.6	48.1	51.6	52.1	54.3	55.6	56.1	57.9	57.9	57.9	57.9	58.0	58.7	59.0
IV 700	34.4	41.3	45.5	49.2	53.0	53.4	56.0	57.3	57.8	59.7	59.7	59.7	59.7	60.6	60.8	61.4
IV 600	35.0	42.9	48.0	51.9	56.3	56.8	59.6	61.0	61.5	63.6	63.6	63.6	63.6	64.5	64.8	65.4
IV 500	35.2	43.5	49.1	53.4	58.5	59.0	62.0	63.7	64.2	66.6	66.6	66.6	66.6	67.3	68.0	68.3
IV 400	35.5	44.0	49.6	54.2	60.1	60.6	63.6	65.7	66.8	70.0	70.0	70.0	70.0	71.5	71.9	72.5
IV 300	35.6	44.5	50.2	55.1	62.0	62.6	66.8	69.4	70.4	75.2	75.4	76.2	77.2	77.8	78.5	79.0
IV 200	35.6	44.5	50.2	55.1	62.1	63.0	67.2	70.2	71.5	77.9	78.6	80.0	81.5	83.5	85.6	88.1
IV 100	35.6	44.5	50.2	55.2	62.4	63.2	67.4	70.4	71.9	79.4	80.5	82.0	84.1	89.4	93.1	98.1
IV 0	35.6	44.5	50.2	55.2	62.4	63.2	67.4	70.4	71.9	79.4	80.5	82.0	84.1	89.5	93.4	100.0

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6163
STATION

HAHN AB DL
STATION NAME

73-81
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	9.9	11.4	12.8	13.5	13.9	14.0	14.3	14.5	14.5	14.9	15.1	15.1	15.1	15.1	15.8	15.9
≥ 20000	11.1	13.1	15.1	15.8	16.5	16.6	17.1	17.5	17.5	18.0	18.1	18.1	18.1	18.1	18.8	18.9
≥ 18000	11.2	13.4	15.3	16.0	16.7	16.9	17.3	17.7	17.7	18.2	18.3	18.3	18.3	18.3	19.0	19.2
≥ 16000	11.4	13.6	15.5	16.3	17.0	17.1	17.6	18.0	18.0	18.4	18.6	18.6	18.6	18.6	19.3	19.4
≥ 14000	11.4	13.6	15.5	16.3	17.0	17.1	17.6	18.0	18.0	18.4	18.6	18.6	18.6	18.6	19.3	19.4
≥ 12000	11.8	14.0	15.9	16.6	17.3	17.5	18.0	18.3	18.4	18.9	19.0	19.0	19.0	19.0	19.8	19.9
≥ 10000	12.0	14.2	16.1	17.1	17.8	18.0	18.6	18.9	19.0	19.6	19.8	19.8	19.8	19.8	20.5	20.6
≥ 9000	12.5	14.8	16.7	17.7	18.4	18.6	19.2	19.5	19.6	20.2	20.4	20.4	20.4	20.4	21.1	21.2
≥ 8000	13.3	15.7	17.7	18.8	20.1	20.2	21.1	21.4	21.6	22.2	22.3	22.3	22.4	22.4	23.1	23.3
≥ 7000	13.5	15.9	18.0	19.0	20.6	20.7	21.6	21.9	22.0	22.7	22.8	22.8	22.9	22.9	23.6	23.7
≥ 6000	13.5	15.9	18.0	19.0	20.6	20.7	21.6	21.9	22.0	22.7	22.8	22.8	22.9	22.9	23.6	23.7
≥ 5000	14.0	16.5	18.6	19.6	21.2	21.3	22.2	22.5	22.7	23.3	23.4	23.4	23.5	23.5	24.2	24.3
≥ 4500	14.1	16.7	18.8	19.9	21.7	21.8	22.7	23.0	23.1	23.7	23.9	23.9	24.0	24.0	24.7	24.8
≥ 4000	14.7	17.5	19.5	20.8	22.9	23.3	24.1	24.5	24.6	25.3	25.4	25.4	25.5	25.5	26.3	26.4
≥ 3500	15.4	18.2	20.2	21.6	23.6	24.0	24.8	25.3	25.4	26.3	26.4	26.4	26.5	26.5	27.2	27.3
≥ 3000	17.0	20.1	22.2	23.6	25.8	26.1	27.1	27.6	27.7	28.6	28.7	28.8	28.9	28.9	29.6	29.8
≥ 2500	18.7	23.1	25.2	26.7	29.2	29.5	30.8	31.3	31.4	32.3	32.4	32.5	32.7	32.7	33.4	33.5
≥ 2000	21.8	27.1	29.4	31.2	33.6	34.0	35.4	35.9	36.1	37.1	37.2	37.3	37.5	37.5	38.2	38.3
≥ 1800	22.8	28.4	30.7	32.7	35.2	35.5	37.0	37.5	37.7	38.7	38.8	38.9	39.0	39.0	39.8	39.9
≥ 1500	25.9	32.3	34.7	36.9	40.1	40.5	42.4	42.9	43.1	44.1	44.2	44.3	44.5	44.5	45.2	45.3
≥ 1200	30.1	37.8	41.2	43.9	48.2	48.6	50.6	51.1	51.3	52.4	52.5	52.7	52.8	52.8	53.5	53.6
≥ 1000	31.9	40.4	44.2	47.1	51.9	52.3	54.3	54.8	55.1	56.4	56.5	56.6	56.7	56.7	57.5	57.6
≥ 900	32.2	40.7	44.8	47.7	52.5	52.9	55.2	55.8	56.0	57.3	57.5	57.6	57.7	57.7	58.4	58.6
≥ 800	33.6	42.3	46.7	50.1	54.9	55.3	57.8	58.4	58.9	60.2	60.4	60.5	60.6	60.6	61.4	61.6
≥ 700	33.7	42.4	47.0	50.4	55.7	56.0	58.8	59.5	60.0	61.3	61.4	61.6	61.7	61.7	62.5	62.7
≥ 600	34.5	43.7	48.4	51.9	57.7	58.1	61.2	62.0	62.5	64.2	64.3	64.5	64.6	64.6	65.4	65.5
≥ 500	35.1	44.5	50.1	54.2	60.8	61.4	65.3	66.5	67.2	69.5	69.6	69.8	69.9	70.0	70.8	71.0
≥ 400	35.3	45.1	51.2	55.4	62.4	63.0	67.8	69.4	70.4	73.4	73.5	73.7	73.9	74.1	75.1	75.2
≥ 300	35.4	45.2	51.6	55.9	63.4	64.3	69.6	72.2	73.9	77.8	78.2	79.0	79.5	80.0	81.2	81.3
≥ 200	35.5	45.3	51.7	56.0	63.6	64.7	70.2	73.4	75.7	81.2	82.4	83.5	85.2	88.1	91.2	97.0
≥ 100	35.5	45.3	51.7	56.0	63.6	64.7	70.2	73.4	75.7	81.2	82.4	83.5	85.2	88.1	91.8	100.0
≥ 0	35.5	45.3	51.7	56.0	63.6	64.7	70.2	73.4	75.7	81.2	82.4	83.5	85.2	88.1	91.8	100.0

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 616C

HAHN AB DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	8.6	11.0	12.2	13.3	14.1	14.1	14.4	14.8	14.9	15.2	15.2	15.2	15.4	15.7	16.3	16.4
≥ 20000	9.4	12.2	13.5	14.8	16.1	16.1	16.3	17.0	17.2	17.5	17.5	17.7	17.8	18.1	18.9	19.0
≥ 18000	9.4	12.2	13.5	14.8	16.1	16.1	16.3	17.0	17.2	17.5	17.5	17.7	17.8	18.1	18.9	19.0
≥ 16000	9.4	12.2	13.5	14.8	16.1	16.1	16.3	17.0	17.2	17.5	17.5	17.7	17.8	18.1	18.9	19.0
≥ 14000	9.6	12.3	13.7	14.9	16.2	16.2	16.4	17.2	17.3	17.7	17.7	17.8	17.9	18.3	19.0	19.1
≥ 12000	9.9	12.7	14.0	15.2	16.6	16.6	16.8	17.5	17.7	18.0	18.0	18.1	18.3	18.6	19.3	19.5
≥ 10000	10.5	13.4	15.1	16.3	17.8	17.8	18.0	18.7	18.9	19.2	19.2	19.3	19.5	19.8	20.6	20.7
≥ 9000	11.0	13.9	15.6	16.8	18.3	18.3	18.5	19.2	19.3	19.7	19.7	19.8	20.0	20.3	21.0	21.2
≥ 8000	12.0	15.0	16.7	17.9	19.6	19.6	20.0	20.7	20.8	21.2	21.2	21.3	21.4	21.8	22.5	22.6
≥ 7000	12.2	15.4	17.0	18.3	20.0	20.0	20.3	21.0	21.2	21.5	21.5	21.6	21.8	22.1	22.9	23.0
≥ 6000	12.3	15.5	17.2	18.4	20.1	20.1	20.4	21.2	21.3	21.6	21.6	21.8	21.9	22.2	23.0	23.1
≥ 5000	12.6	15.7	17.4	18.6	20.3	20.3	20.7	21.4	21.5	21.9	21.9	22.0	22.1	22.5	23.2	23.3
≥ 4500	12.7	16.0	17.7	18.9	20.9	20.9	21.3	22.0	22.1	22.5	22.5	22.6	22.7	23.1	23.8	23.9
≥ 4000	14.0	17.5	19.2	20.4	22.6	22.6	23.1	24.1	24.2	24.5	24.5	24.7	24.8	25.2	25.9	26.7
≥ 3500	15.1	18.9	20.6	21.9	24.1	24.1	24.5	25.6	25.9	26.2	26.2	26.4	26.5	26.8	27.6	27.7
≥ 3000	16.8	20.9	22.9	24.4	27.0	27.0	27.4	28.5	28.8	29.3	29.3	29.4	29.5	29.9	30.6	30.7
≥ 2500	19.2	24.3	26.2	28.1	30.7	30.7	31.6	32.6	32.9	33.4	33.4	33.5	33.6	34.0	34.7	34.8
≥ 2000	22.7	28.8	30.8	33.0	35.9	35.9	36.9	38.1	38.3	39.1	39.1	39.2	39.3	39.7	40.4	40.5
≥ 1800	23.3	30.0	32.3	34.5	37.5	37.5	38.6	39.8	40.0	40.7	40.7	40.9	41.0	41.4	42.1	42.2
≥ 1500	28.2	36.2	38.5	40.9	44.1	44.1	45.5	46.9	47.2	47.9	47.9	48.0	48.1	48.5	49.2	49.3
≥ 1200	31.1	39.1	41.5	44.6	49.1	49.1	51.0	52.5	52.7	53.4	53.4	53.6	53.7	54.1	54.8	54.9
≥ 1000	32.9	41.5	44.1	47.6	52.2	52.2	54.7	56.2	56.5	57.2	57.2	57.3	57.4	57.8	58.5	58.6
≥ 900	33.1	41.8	44.9	48.4	53.4	53.4	55.9	57.4	57.8	58.5	58.5	58.6	58.8	59.1	59.9	60.0
≥ 800	34.8	43.9	47.3	51.1	56.8	56.8	59.4	60.9	61.3	62.3	62.3	62.4	62.5	62.9	63.6	63.7
≥ 700	35.6	44.6	48.0	52.0	58.0	58.0	61.1	62.8	63.4	64.3	64.3	64.4	64.6	64.9	65.7	65.8
≥ 600	35.7	44.7	48.4	52.5	58.8	58.8	62.9	64.6	65.3	66.4	66.4	66.5	66.6	67.0	67.7	67.8
≥ 500	36.7	45.5	49.3	53.4	60.6	60.7	65.4	68.1	68.8	70.3	70.3	70.4	70.5	70.9	71.6	71.7
≥ 400	36.4	45.9	49.9	54.1	61.7	62.0	67.6	71.2	72.1	73.6	73.6	73.8	74.2	74.7	75.5	75.6
≥ 300	36.6	46.2	50.3	54.4	63.1	63.5	69.5	73.6	75.0	77.1	77.3	77.6	78.1	79.0	80.3	80.4
≥ 200	36.8	46.3	50.4	54.5	63.6	64.0	70.4	75.1	77.0	80.2	80.7	81.0	82.2	84.2	86.3	87.5
≥ 100	36.8	46.3	50.4	54.5	63.8	64.2	70.9	75.9	78.0	81.7	82.7	83.4	84.9	88.9	91.8	97.2
≥ 0	36.8	46.3	50.4	54.5	63.8	64.2	70.9	75.9	78.0	81.7	82.7	83.4	85.0	89.1	92.6	100.0

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 160
STATION

HAHN AB DL

STATION NAME

73-81

YEAR

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	9.1	13.7	11.3	11.9	13.9	14.0	14.4	14.8	14.8	15.5	15.7	16.0	16.2	16.7	17.3	17.4
≥ 20000	10.5	12.2	13.0	13.7	15.9	16.0	16.5	17.2	17.2	17.9	18.2	18.4	18.6	19.1	19.9	20.1
≥ 18000	10.5	12.2	13.0	13.7	15.9	16.0	16.5	17.2	17.2	17.9	18.2	18.4	18.6	19.1	19.9	20.0
IV 16000	10.5	12.2	13.0	13.7	15.9	16.0	16.5	17.2	17.2	17.9	18.2	18.4	18.6	19.1	19.9	20.0
IV 14000	10.5	12.2	13.0	13.7	15.9	16.0	16.5	17.2	17.2	17.9	18.2	18.4	18.6	19.1	19.9	20.0
IV 12000	10.8	12.5	13.2	13.9	16.1	16.2	16.7	17.4	17.4	18.2	18.4	18.6	18.9	19.4	20.1	20.2
IV 10000	11.0	12.8	13.6	14.3	16.5	16.6	17.1	17.8	17.8	18.5	18.8	19.0	19.2	19.7	20.6	20.7
IV 9000	11.5	13.3	14.0	14.8	16.9	17.1	17.6	18.3	18.3	19.0	19.2	19.5	19.7	20.2	21.1	21.2
IV 8000	12.1	13.9	15.0	15.7	17.9	18.0	18.5	19.2	19.2	20.0	20.2	20.5	20.7	21.2	22.0	22.2
IV 7000	12.6	14.5	15.7	16.5	18.6	18.8	19.2	20.0	20.0	20.7	20.9	21.2	21.4	21.9	22.8	22.9
IV 6000	12.7	14.8	16.0	16.7	18.9	19.0	19.5	20.2	20.2	20.9	21.2	21.4	21.7	22.2	23.0	23.1
IV 5000	13.2	15.3	16.5	17.2	19.4	19.5	20.0	20.7	20.7	21.4	21.7	21.9	22.2	22.6	23.5	23.6
IV 4500	13.7	15.7	16.9	17.7	20.0	20.1	20.6	21.3	21.3	22.0	22.3	22.5	22.8	23.2	24.1	24.2
IV 4000	14.2	16.6	17.8	18.5	21.1	21.3	21.8	22.5	22.5	23.4	23.6	23.8	24.1	24.6	25.4	25.5
IV 3500	15.7	18.2	19.4	20.1	22.6	22.9	23.4	24.3	24.3	25.2	25.4	25.7	25.9	26.4	27.2	27.4
IV 3000	18.8	21.3	22.5	23.6	26.6	26.9	27.4	28.3	28.3	29.2	29.4	29.7	29.9	30.4	31.2	31.4
IV 2500	21.7	25.1	26.3	27.5	30.6	30.9	31.8	32.8	32.8	33.7	33.9	34.1	34.4	34.9	35.7	35.8
IV 2000	25.2	29.3	30.5	32.0	35.1	35.4	36.4	37.5	37.5	38.4	38.6	39.0	39.2	39.7	40.6	40.7
IV 1800	26.2	30.8	32.0	33.5	36.7	36.9	38.0	39.1	39.1	40.0	40.2	40.6	40.8	41.3	42.1	42.3
IV 1500	29.5	34.6	35.8	38.1	41.3	41.5	43.1	44.2	44.2	45.0	45.3	45.6	45.9	46.4	47.2	47.3
IV 1200	33.2	39.2	41.0	44.1	47.9	48.2	49.9	51.2	51.2	52.1	52.3	52.7	52.9	53.4	54.2	54.4
IV 1000	34.6	40.9	43.0	46.2	50.4	50.7	54.0	55.3	55.3	56.3	56.5	56.9	57.1	57.6	58.5	58.6
IV 900	35.5	41.5	43.6	46.9	51.2	51.7	55.1	56.4	56.4	57.4	57.6	58.0	58.2	58.7	59.6	59.7
IV 800	36.1	43.1	45.6	49.4	53.9	54.4	58.1	59.4	59.4	60.4	60.7	61.0	61.3	61.7	62.6	62.7
IV 700	36.4	43.7	46.2	50.0	54.7	55.2	59.2	60.5	60.5	61.6	61.9	62.2	62.5	63.0	63.8	63.9
IV 600	37.7	44.4	47.0	51.0	56.1	56.5	60.7	62.2	62.2	63.4	63.7	64.0	64.3	64.8	65.6	65.7
IV 500	37.5	46.2	49.3	53.6	59.4	59.9	64.8	66.8	66.9	68.8	69.0	69.4	69.6	70.1	70.9	71.1
IV 400	37.9	47.0	50.1	54.4	60.7	61.4	66.7	69.6	69.7	72.6	72.9	73.4	73.6	74.1	74.9	75.1
IV 300	37.9	47.0	50.0	54.4	61.5	62.2	68.2	71.5	72.4	76.0	76.4	77.0	77.8	78.5	79.7	79.8
IV 200	37.9	47.1	50.1	54.5	62.0	62.7	68.8	72.3	73.5	78.2	78.7	79.7	82.1	83.4	86.2	86.8
IV 100	37.9	47.1	50.1	54.5	62.1	62.8	68.9	72.5	73.7	79.3	80.0	81.4	84.7	88.5	93.0	97.9
IV 0	37.9	47.1	50.1	54.5	62.1	62.8	68.9	72.5	73.7	79.3	80.0	81.4	84.7	88.5	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

FEET

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	8.1	9.9	10.8	11.3	12.7	12.9	13.5	13.9	13.9	14.4	14.5	14.6	14.7	15.1	15.6	15.7
≥ 20000	9.4	11.5	12.6	13.2	14.9	15.1	15.8	16.4	16.5	17.0	17.0	17.2	17.3	17.7	18.2	18.4
≥ 18000	9.4	11.5	12.7	13.3	14.9	15.1	15.9	16.5	16.6	17.1	17.1	17.3	17.4	17.7	18.3	18.5
≥ 16000	9.5	11.6	12.8	13.4	15.0	15.2	16.0	16.6	16.7	17.2	17.2	17.4	17.5	17.8	18.4	18.6
≥ 14000	9.5	11.6	12.8	13.4	15.0	15.2	16.1	16.7	16.7	17.2	17.3	17.4	17.5	17.9	18.4	18.6
≥ 12000	9.7	11.9	13.1	13.7	15.3	15.5	16.3	16.9	17.0	17.5	17.5	17.7	17.8	18.1	18.7	18.9
≥ 10000	10.0	12.2	13.4	14.1	15.7	15.9	16.8	17.4	17.4	18.0	18.0	18.2	18.3	18.6	19.2	19.4
≥ 9000	10.3	12.5	13.8	14.4	16.1	16.3	17.1	17.7	17.8	18.3	18.4	18.5	18.6	19.0	19.5	19.7
≥ 8000	11.0	13.4	14.8	15.5	17.3	17.5	18.5	19.1	19.2	19.7	19.8	19.9	20.1	20.4	21.0	21.2
≥ 7000	11.3	13.8	15.3	15.9	17.8	18.0	19.0	19.6	19.7	20.3	20.3	20.5	20.6	21.0	21.5	21.7
≥ 6000	11.5	14.0	15.4	16.1	18.0	18.2	19.2	19.8	19.9	20.5	20.5	20.7	20.8	21.2	21.7	21.9
≥ 5000	11.7	14.3	15.8	16.5	18.4	18.6	19.6	20.3	20.4	20.9	21.0	21.1	21.3	21.6	22.2	22.4
≥ 4500	12.1	14.7	16.2	16.9	18.9	19.1	20.2	20.8	20.9	21.5	21.5	21.7	21.8	22.2	22.8	23.0
≥ 4000	13.0	16.0	17.5	18.3	20.5	20.8	22.0	22.7	22.8	23.5	23.5	23.7	23.8	24.2	24.7	25.0
≥ 3500	14.0	17.2	18.8	19.6	21.9	22.1	23.4	24.2	24.3	25.0	25.0	25.2	25.4	25.7	26.3	26.5
≥ 3000	15.8	19.1	20.8	21.8	24.4	24.6	26.0	26.8	27.0	27.7	27.7	27.9	28.1	28.5	29.0	29.2
≥ 2500	18.2	21.2	23.9	25.0	27.7	28.0	29.6	30.4	30.6	31.4	31.5	31.6	31.8	32.2	32.7	33.0
≥ 2000	21.0	25.6	27.5	28.8	31.6	31.8	33.6	34.5	34.8	35.7	35.8	36.0	36.1	36.5	37.1	37.3
≥ 1800	21.8	26.8	28.6	30.0	32.9	33.1	34.9	35.9	36.1	37.0	37.1	37.3	37.5	37.9	38.4	38.6
≥ 1500	25.3	31.1	33.2	34.9	38.0	38.3	40.4	41.4	41.6	42.5	42.7	42.8	43.0	43.4	44.0	44.2
≥ 1200	28.3	35.0	37.4	39.5	43.3	43.5	45.8	46.9	47.1	48.1	48.2	48.4	48.6	49.0	49.5	49.8
≥ 1000	30.2	37.3	40.0	42.4	46.5	46.8	49.4	50.6	50.9	51.9	52.1	52.3	52.5	52.9	53.5	53.7
≥ 900	31.0	38.4	41.3	43.7	47.9	48.2	50.9	52.2	52.5	53.5	53.7	53.9	54.1	54.5	55.0	55.3
≥ 800	32.7	40.7	43.9	46.8	51.3	51.7	54.7	56.0	56.3	57.5	57.6	57.8	58.1	58.5	59.1	59.3
≥ 700	33.5	41.7	45.0	48.0	52.9	53.3	56.7	58.1	58.4	59.7	59.9	60.1	60.3	60.7	61.3	61.5
≥ 600	34.2	43.0	46.5	49.6	55.1	55.4	59.3	60.8	61.2	62.7	62.8	63.1	63.3	63.7	64.3	64.5
≥ 500	34.8	44.1	48.0	51.7	58.2	58.6	63.1	65.3	65.8	67.6	67.8	68.1	68.4	68.8	69.4	69.6
≥ 400	35.1	44.6	48.6	52.5	59.7	60.2	65.3	68.1	68.8	71.1	71.3	71.7	72.0	72.5	73.1	73.3
≥ 300	35.3	44.8	48.9	52.9	60.8	61.3	67.1	70.4	71.4	74.7	75.0	75.6	76.3	77.1	77.9	78.1
≥ 200	35.3	44.9	49.1	53.0	61.1	61.7	67.9	71.6	73.0	77.5	78.1	78.9	80.5	82.9	85.2	86.9
≥ 100	35.4	44.9	49.1	53.0	61.2	61.8	68.2	72.0	73.7	78.8	79.8	80.9	82.9	87.8	91.6	97.5
U	35.4	44.9	49.1	53.0	61.2	61.8	68.2	72.0	73.7	78.8	79.8	80.9	83.0	88.0	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6628

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 16:00
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

ALL

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	21.3	25.6	27.0	27.6	29.1	29.2	30.0	30.4	30.5	30.9	30.9	31.0	31.1	31.2	31.4	31.5
≥ 20000	24.8	29.9	31.4	32.2	34.0	34.1	35.0	35.5	35.6	36.0	36.1	36.2	36.3	36.5	36.6	36.8
≥ 18000	25.0	30.2	31.7	32.5	34.3	34.4	35.3	35.8	35.9	36.4	36.5	36.5	36.6	36.8	37.0	37.1
≥ 16000	25.0	30.3	31.8	32.6	34.4	34.5	35.4	35.9	36.0	36.5	36.6	36.6	36.7	36.9	37.1	37.2
≥ 14000	25.2	30.5	32.1	32.9	34.7	34.8	35.7	36.2	36.3	36.8	36.9	36.9	37.0	37.2	37.4	37.5
≥ 12000	25.8	31.2	32.9	33.6	35.5	35.6	36.5	37.0	37.2	37.6	37.7	37.7	37.8	38.0	38.2	38.3
≥ 10000	26.9	32.6	34.3	35.1	37.0	37.2	38.1	38.6	38.7	39.2	39.3	39.4	39.5	39.6	39.8	40.0
≥ 9000	27.5	33.4	35.1	35.9	37.9	38.1	39.0	39.5	39.7	40.2	40.3	40.3	40.4	40.6	40.8	40.9
≥ 8000	29.5	35.7	37.6	38.5	40.6	40.8	41.9	42.4	42.6	43.1	43.2	43.3	43.4	43.6	43.7	43.9
≥ 7000	30.2	36.6	38.5	39.5	41.7	41.9	43.0	43.6	43.7	44.2	44.3	44.4	44.5	44.7	44.9	45.0
≥ 6000	30.4	36.9	38.9	39.8	42.1	42.3	43.4	43.9	44.1	44.6	44.7	44.8	44.9	45.1	45.2	45.4
≥ 5000	31.6	38.3	40.3	41.3	43.7	43.9	45.1	45.7	45.8	46.3	46.5	46.5	46.6	46.8	47.0	47.2
≥ 4500	32.5	39.4	41.5	42.5	44.9	45.1	46.3	46.9	47.1	47.6	47.7	47.8	47.9	48.1	48.3	48.5
≥ 4000	35.5	43.1	45.4	46.6	49.3	49.5	50.9	51.6	51.8	52.3	52.4	52.5	52.7	52.9	53.1	53.2
≥ 3500	37.3	45.4	47.9	49.0	52.0	52.2	53.6	54.4	54.6	55.2	55.3	55.4	55.5	55.7	55.9	56.1
≥ 3000	39.4	48.1	50.7	52.1	55.2	55.5	57.1	57.8	58.0	58.7	58.8	58.9	59.1	59.3	59.5	59.7
≥ 2500	41.3	50.5	53.3	54.8	58.1	58.4	60.1	60.8	61.1	61.7	61.9	62.0	62.1	62.4	62.6	62.7
≥ 2000	43.3	53.2	56.1	57.8	61.4	61.7	63.5	64.3	64.6	65.3	65.5	65.5	65.7	66.0	66.1	66.3
≥ 1800	43.9	53.9	56.9	58.6	62.3	62.6	64.4	65.3	65.6	66.3	66.4	66.5	66.7	66.9	67.1	67.3
≥ 1500	45.7	56.3	59.5	61.4	65.5	65.9	67.9	68.8	69.1	69.9	70.0	70.1	70.3	70.6	70.7	70.9
≥ 1200	47.3	58.4	61.9	64.1	68.7	69.1	71.3	72.3	72.6	73.4	73.6	73.7	73.8	74.1	74.3	74.5
≥ 1000	48.1	59.7	63.3	65.8	70.7	71.1	73.6	74.7	75.0	75.9	76.1	76.2	76.4	76.7	76.9	77.1
≥ 900	48.4	60.2	63.8	66.3	71.4	71.8	74.4	75.5	75.8	76.7	76.9	77.0	77.2	77.5	77.7	77.9
≥ 800	49.0	61.1	64.9	67.6	73.1	73.5	76.3	77.5	77.9	78.9	79.1	79.2	79.4	79.7	79.9	80.1
≥ 700	49.3	61.5	65.4	68.3	74.1	74.6	77.5	78.8	79.2	80.3	80.5	80.6	80.8	81.1	81.3	81.5
≥ 600	49.5	62.0	66.1	69.1	75.4	75.9	79.1	80.6	81.0	82.2	82.4	82.6	82.8	83.1	83.3	83.5
≥ 500	49.8	62.5	66.7	70.0	76.8	77.4	81.1	82.8	83.4	84.8	85.0	85.2	85.5	85.8	86.0	86.2
≥ 400	49.9	62.7	66.9	70.3	77.7	78.3	82.4	84.3	85.0	86.6	86.9	87.2	87.5	87.9	88.1	88.3
≥ 300	50.0	62.8	67.1	70.6	78.3	79.0	83.4	85.7	86.5	88.6	89.1	89.4	89.9	90.6	90.9	91.1
≥ 200	50.0	62.8	67.1	70.7	78.5	79.2	83.9	86.4	87.5	90.2	90.8	91.4	92.2	93.5	94.3	94.8
≥ 100	50.0	62.8	67.1	70.7	78.6	79.3	84.0	86.6	87.7	90.7	91.5	92.1	93.1	95.3	96.9	98.9
≥ 0	50.0	62.8	67.1	70.7	78.6	79.3	84.0	86.6	87.8	90.8	91.5	92.1	93.2	95.4	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 78462

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

STATION

HAHN AB DL

STATION NAME

53-81

YEARS

MAXIMUM

MAXIMUM

USAFETAC FORM 0-21.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

AIR WEATHER SERVICE/MAC

1 0160 HAHN AB DL STATION NAME

53-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
70						.6	.2						.0
65						2.4	.6						.3
60				.1	.1	4.9	13.4	10.7	2.8	.1			2.7
55				.4	4.8	24.7	39.9	38.2	13.7	1.8	.1		10.3
50			.7	3.2	21.7	54.8	77.8	76.3	43.9	12.3	.8		24.3
45	.5	1.3	3.6	14.4	48.5	83.8	96.4	97.2	75.9	32.4	4.8	2.0	38.3
40	4.6	6.6	16.7	37.4	79.1	97.8	100.0	100.0	96.0	62.8	19.1	7.9	52.3
35	17.0	21.0	43.3	66.9	94.9	99.9			99.9	89.4	48.5	24.9	67.2
30	24.9	30.7	54.0	77.5	98.0	100.0			100.0	94.7	59.5	33.9	72.8
25	43.4	49.9	70.6	92.0	99.8					98.9	77.8	53.2	82.2
20	66.0	70.2	85.1	99.4	100.0					100.0	93.4	72.6	90.6
15	80.4	85.0	94.4	100.0							98.7	85.9	95.4
10	91.1	92.8	98.7								100.0	95.0	98.2
5	96.1	95.7	99.7									98.8	99.2
0	99.1	98.5	100.0									100.0	99.8
-5	99.9	99.0											99.9
-10	100.0	99.7											100.0
-15		99.9											100.0
-20		100.0											100.0
MEAN	26.9	27.9	32.6	37.6	44.4	50.2	53.3	53.0	48.5	42.5	34.1	29.0	40.0
S.D.	8.418	8.811	7.447	6.226	5.964	5.519	5.284	4.850	5.288	6.006	6.374	7.454	11.351
TOTAL OBS	867	791	868	840	839	810	845	898	856	899	870	898	10281

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

1 6160 HAHN AB DL STATION NAME

53-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80							.5						.0
75						1.1	2.5	.9					.4
70				.1	.2	3.5	10.3	6.9	1.4				1.9
65				.5	3.8	14.9	25.7	23.4	6.8				6.3
60			.1	1.7	14.2	38.8	53.1	52.0	25.1	.3			15.6
55			.9	8.6	34.2	66.3	84.0	83.7	56.3	14.5	.3		29.0
50		1.0	7.7	24.6	63.4	91.2	98.5	99.4	86.0	40.2	4.1		43.0
45	2.8	6.3	22.4	49.8	87.4	98.8	100.0	100.0	98.2	65.3	16.9	5.2	54.3
40	12.2	19.3	47.2	72.5	97.4	100.0			100.0	90.8	42.5	19.2	66.7
35	33.9	44.1	69.9	95.1	99.8					99.2	71.6	41.5	79.6
30	60.2	68.8	87.4	99.8	100.0					100.0	90.7	68.2	89.6
25	80.3	85.0	95.9	100.0							98.6	84.7	95.4
20	90.3	93.8	99.5								99.9	95.0	98.2
15	96.3	96.5	99.7								100.0	98.9	99.3
10	99.2	98.9	100.0									99.9	99.8
5	100.0	99.6										100.0	100.0
0		99.9											100.0
-5		100.0											100.0
MEAN	30.7	32.7	38.5	44.6	52.1	57.8	60.7	60.3	55.6	47.6	38.3	32.7	46.0
S D	7.935	8.389	7.654	6.920	6.691	6.364	6.336	5.671	5.783	6.220	6.469	7.691	12.786
TOTAL OBS	867	791	868	840	839	810	848	898	856	899	870	898	10281

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

1 6160
STATION

HAHN AB DL
STATION NAME

53-81
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
53							80	86	83	69	57	60	
54	78	42	60	62	80	90	75	84	77	69	56	50	90
55	48	48	64	76	75	79	84	79	73	63	58	50	84
56	50	38	63	63	79	70	82	75	72	72	49	52	82
57	50	58	60	68	78	89	93	78	75	68	55	49	93
58	49	58	59	62	77	79	79	82	80	63	48	48	82
59	51	58	62	71	75	80	91	80	81	69	51	47	91
60	50	59	58	68	75	82	73	78	70	62	54	48	82
61	48	59	68	71	78	81	85	80	80	66	50	53	85
62	50	47	51	71	72	77	80	79	83	71	58	47	83
63	37	37	56	63	74	73	79	82	74	63	59	44	82
64	40	50	51	67	77	83	89	86	79	63	53	47	89
65	47	36	60	61	74	79	78	78	72	62	55	50	79
66	48	55	54	64	75	81	77	87	66	73	56	47	87
67	53	53	57	65	75	81	82	78	74	70	51	51	82
68	47	45	72	80	78	79	83	74	70	67	63	45	83
69	48	45	52	68	81	74	85	83	74	67	56	36	85
70	43	49	49	68	83			81	72	70	55	49	
71	44	42	50	71	75	73	84	84	73	68	57	51	84
72	41	50	64	66	68	78	84	78	69	62	59	50	84
73	39	39	60	62	71	82	84	86	87	71	55	46	87
74	51	57	64	66	71	75	78	89	78	51	57	51	89
75	53	50	53	69	69	75	84	84	77	59	51	46	84
76	48	51	62	68	78	87	89	80	71	69	50	44	89
77	50	50	60	62	69	82	78	75	69	66	59	53	82
78	42	53	57	62	71	80	84	78	69	68	51	59	84
79	39	42	51	64	80	80	80	78	79	72	54	59	80
80	45	52	55	68	73	79	79	84	75	61	54	48	84
81	43	46	63	66	77	79	79	79	70	64	55	43	79
MEAN	46.4	48.9	58.4	66.9	74.1	79.5	82.1	88.9	75.2	68.1	54.7	49.1	65.0
S. D.	4.826	6.989	5.731	4.842	3.794	4.882	4.781	3.986	4.879	4.779	3.826	3.036	3.748
TOTAL OBS.	887	791	868	840	839	810	848	898	856	899	870	898	10281

NOTES * BASED ON LESS THAN FULL MONTHS

1210 WS FORM 0-88-5 (OLI)
JUL 64

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

1 6167 HAHN AB DL
STATION

STATION NAME

53-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
53							50	47	39	35	27	21	
54	2	-2	23	29	34	43	43	47	35	36	23	24	-2
55	* 18	7	12	27	33	38	46	45	41	29	22	19	7
56	-3	-11	20	21	33	39	48	43	43	26	18	16	-11
57	11	25	25	25	28	42	47	43	34	34	23	19	11
58	16	11	14	23	33	41	47	46	45	32	28	17	11
59	18	21	28	28	34	40	50	43	42	31	25	23	18
60	3	10	24	30	32	43	41	47	36	33	25	17	3
61	18	25	24	38	33	43	41	45	45	34	23	7	7
62	11	10	17	29	30	34	40	45	40	31	21	5	5
63	4	7	14	34	34	46	45	43	39	31	31	9	4
64	10	15	15	28	38	39	42	43	38	30	27	9	9
65	22	16	12	30	34	43	43	44	48	29	15	23	12
66	3	25	25	28	38	43	45	41	40	27	20	20	3
67	9	20	30	28	38	41	49	48	40	32	18	12	9
68	3	17	24	28	38	42	45	44	43	35	23	12	3
69	21	8	21	25	35	37	44	44	37	35	21	18	8
70	12	8	16	23	30			46	40	33	26	11	
71	6	14	6	38	35	42	42	46	35	26	17	23	6
72	6	6	17	28	33	39	46	44	35	28	24	19	6
73	19	23	24	28	37	44	46	46	41	32	23	10	10
74	26	26	24	32	33	42	44	48	39	30	26	28	24
75	26	23	24	28	35	37	44	50	46	28	19	18	18
76	8	17	15	26	35	39	48	46	42	32	26	6	6
77	21	21	21	26	39	39	46	48	35	35	19	19	19
78	21	12	26	26	37	41	44	41	39	33	21	10	10
79	0	19	26	38	30	42	46	42	36	32	27	27	0
80	12	27	28	32	36	46	43	45	43	32	19	18	12
81	19	18	28	28	30	43	46	43	41	32	25	14	14
MEAN	11.9	15.8	20.8	27.9	34.1	41.8	44.8	44.9	39.6	31.8	22.8	16.0	6.0
S. D.	8.287	9.050	8.081	5.298	2.697	2.703	2.881	2.193	3.389	2.760	3.781	6.464	7.662
TOTAL OBS.	887	792	888	848	837	810	848	878	836	809	878	898	10281

MOVES - TURNED ON LESS THAN FULL NORTH

1210 WS FORM 0-88-3 (OL1)

0 (AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 1 0000-0200
HOURS 11:50 T-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
51 / 49		.2	.1	.2	.1													6	6	1															
48 / 47	.1	.4	.4															7	7	2	2														
48 / 45	.2	1.0	.1	.1														12	12	10	3														
44 / 43	.1	1.7	.1	.1	.1													18	18	16	6														
42 / 41	.2	4.8	1.3	.1														54	54	21	16														
41 / 39	1.0	2.8	3.1															57	57	45	28														
38 / 37	.1	6.2	1.3															64	64	48	37														
36 / 35	.2	8.1	1.9															86	86	82	48														
34 / 33	1.2	8.3	3.1															105	105	94	70														
32 / 31	1.1	10.5	1.8															112	112	129	91														
30 / 29	1.7	6.7	.1															71	71	112	88														
28 / 27	2.8	7.7	.4															90	90	83	117														
26 / 25	.5	4.2	.7															45	45	45	92														
24 / 23	.4	2.2	.4															24	24	42	53														
22 / 21	.5	2.4	.1															25	25	27	42														
20 / 19	.1	1.7																15	15	21	25														
18 / 17	.5	1.1																13	13	20	28														
16 / 15	.1	.8																8	8	13	17														
14 / 13	.1	.7																7	7	5	18														
12 / 11		.7																6	6	5	26														
10 / 9		1.2																10	10	9	8														
8 / 7		.1																1	1	5	2														
6 / 5																				1	5														
4 / 3																					7														
2 / 1																					7														
TOTAL	10.9	73.3	15.0	.6	.2													836	836	836	836														

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

0300-0500
HOURS: M, S, T, J

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
5 / 49				.1														1	1															
46 / 47		.1		.1														2	2															
46 / 45	.2	.2		.2														6	6	3	2													
44 / 43		1.8	.2															17	17	14	1													
42 / 41	.7	6.0	1.8	.2														73	73	29	24													
40 / 39	.6	3.0	1.8															45	45	43	26													
38 / 37	.5	4.8	1.4															56	56	43	38													
36 / 35	.2	7.5	1.3															76	76	61	48													
34 / 33	2.2	8.0	1.2															95	95	113	57													
32 / 31	1.3	10.4	.7															104	104	129	82													
30 / 29	1.0	8.0																75	75	100	98													
28 / 27	3.6	8.7	.4															106	106	92	125													
26 / 25	1.8	3.8	.4															50	50	51	78													
24 / 23	1.0	3.6	.2															40	40	42	83													
22 / 21	1.6	1.1																22	22	38	31													
20 / 19	.2	1.6																15	15	12	22													
18 / 17	.1	1.0																9	9	22	29													
16 / 15	.2	1.0																10	10	7	14													
14 / 13	.2	1.2																12	12	15	17													
12 / 11	.1	.8																8	8	6	21													
10 / 9	.1	.6																6	6	7	18													
8 / 7		.8																7	7	1	2													
6 / 5																				7	8													
4 / 3	.1																	1	1	1	3													
2 / 1																					7													
-2 / -1	.1																	1	1	1	2													
-2 / -3																					1													
TOTAL	15.9	74.0	9.4	.7														837	837	837	837													
																		837		837														

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 1 0600-0800
HOURS U. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 1 1200-1400
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
52 / 51					.4													3	3																
5 / 49		.5	.6		.1													10	10	4															
48 / 47	.2	.5	.4		.4													12	12	4	6														
46 / 45		.5	.7	.4														13	13	12															
44 / 43	.2	1.2	1.2	.1														23	23	15	10														
42 / 41	.5	5.6	2.6	.4														76	76	47	18														
40 / 39	.1	3.6	3.2	.4														61	61	38	32														
38 / 37	.8	5.3	2.3	.1														71	71	53	48														
36 / 35	.7	7.3	3.0	.1														93	93	87	66														
34 / 33	.8	8.1	1.9	.6	.1													97	97	107	60														
32 / 31	.5	6.6	2.2	.1	.1													79	79	110	54														
30 / 29	.4	9.9	1.1															95	95	94	103														
28 / 27	2.2	7.2	2.2															96	96	102	119														
26 / 25	1.3	2.9	.5															39	39	71	88														
24 / 23	.1	2.0																18	18	22	69														
22 / 21	.1	1.3																12	12	21	41														
20 / 19	.2	1.6																15	15	13	35														
18 / 17		.6																5	5	14	19														
16 / 15		1.3																11	11	11	17														
14 / 13		.4																3	3	7	11														
12 / 11		.2																2	2	2	14														
10 / 9		.4																3	3	2	16														
8 / 7																				1	6														
6 / 5																					2														
4 / 1																					2														
2 / -1																					1														
TOTAL	8.2	66.8	21.7	2.2	1.1													837	837	837															

Element (X)	Σ x ¹	Σ x	\bar{x}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5592605	67919	81.1	9.859	837	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	971418	27902	33.3	7.027	837		42.0					93
Wet Bulb	864208	26300	31.4	6.726	837		52.2					93
Dew Point	708055	23453	28.0	7.802	837	.1	66.3					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 516P HAHN AB DL 73-81 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point				
51			.1	.1				.1																									3	3				
49	.2	.2	.2	.2	.2	.5																										12	12	5	2			
47		.5	.2	.1	.2																											9	9	1	3			
45			.2	.6	.1																											8	8	9	1			
43	.1	2.8	.8																													31	31	17	5			
41	.1	4.4	3.6	.8																												75	75	51	17			
39		4.3	3.8																													68	68	24	39			
37	.7	5.7	2.5	.1																												76	76	66	34			
35	.1	6.1	3.4	.4																												83	83	94	75			
33	1.4	7.4	1.8	.1																												90	90	107	60			
31	.2	6.9	2.2	.5																												82	82	103	55			
29	.5	10.5	1.2	.2																												104	104	94	109			
27	1.9	7.9	1.9																													98	98	109	118			
25	1.0	1.9	.5																													28	28	64	83			
23		3.0																														25	25	24	74			
21	.2	1.3	.2																													15	15	26	42			
19	.2	1.0																														10	10	13	39			
17		.8																														7	7	10	13			
15		.8																														7	7	8	16			
13																																			6	20		
11		.2																														2	2	1	9			
9		.2																														2	2	3	11			
7																																				8		
5																																				2		
3																																				2		
TOTAL	6.8	66.6	23.1	2.5	1.0																												835	835	835			

Element (X)	ΣX^2	ΣX	\bar{X}	σ_n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5489772	67200	80.5	9.890	835	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	977772	28006	33.5	6.790	835		42.3					93
Wet Bulb	865999	26339	31.5	6.494	835		51.3					93
Dew Point	703125	23391	28.0	7.576	835		66.7					93

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 1 1800-2000
HOURS 11, 5, 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
51 / 51			.1		.1													2	2																
50 / 49	.4	.1			.1													5	5	3	3														
49 / 47		.1	.4	.4														7	7	2															
48 / 45	.4	1.3	.1															15	15	9	5														
47 / 43		1.4	.7	.5														22	22	22	3														
42 / 41		5.0	2.4															62	62	27	22														
41 / 39		4.7	3.1	.1														66	66	34	20														
39 / 37	.6	4.7	1.7															58	58	60	47														
38 / 35	.7	6.2	2.3															77	77	74	61														
37 / 33	1.4	7.8	3.1															103	103	99	55														
32 / 31	.7	6.8	1.7	.1														78	78	117	64														
31 / 29	.5	11.0	.7	.1	.1													104	104	89	95														
28 / 27	3.0	9.7	1.3															117	117	119	115														
25 / 25	.6	3.7	.5															40	40	68	87														
24 / 23	.1	2.6	.1															24	24	37	87														
22 / 21	.2	.8	.5															13	13	21	39														
21 / 19	.4	.8																10	10	11	38														
18 / 17		1.8	.1															16	16	21	22														
15 / 15	.1	.5	.1															6	6	8	12														
14 / 13		.1																1	1	4	16														
11 / 11		.7																6	6	3	16														
9 / 9		.6																5	5	9	11														
7 / 7																					3														
5 / 5																					8														
3 / 3																					7														
1 / 1																					1														
TOTAL	9.170	518.9	1.2	.4														837	837	837	837														
																		837		837															

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 160 HAHN AB DL 73-81 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53					.1													1	1																
52/ 51		.1			.1													2	2																
50/ 49		.2	.1		.1													4	4	3	1														
48/ 47		.1	.2															3	3	1	2														
46/ 45	.4	1.0	.6															16	16	8	3														
44/ 43		1.0	.7	.2	.1													17	17	19	3														
42/ 41		5.0	2.3															61	61	16	17														
40/ 39	.6	4.1	3.1															65	65	47	21														
38/ 37	.4	6.6	.5															62	62	52	52														
36/ 35	.1	6.2	2.4															73	73	85	50														
34/ 33	.4	8.0	3.0															95	95	75	57														
32/ 31	.5	7.9	3.0															95	95	134	61														
30/ 29	1.1	8.1	.5															81	81	107	93														
28/ 27	2.6	9.8	1.0	.1														113	113	89	132														
26/ 25	1.0	3.8	.6															45	45	59	79														
24/ 23	.1	4.1	.4															38	38	42	80														
22/ 21	.2	1.9	.1															19	19	34	41														
20/ 19		1.7																14	14	18	34														
18/ 17		.5																4	4	18	21														
16/ 15	.6	1.0																13	13	14	16														
14/ 13		.2																2	2		14														
12/ 11		.8																7	7	5	35														
10/ 9		.8																7	7	11	8														
8/ 7																					1														
6/ 5																					6														
4/ 3																					8														
2/ 1																					2														
TOTAL	7.9	72.9	18.4	.4	.5													837	837	837	837														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5689385	68621	82.0	8.717	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	905306	26864	32.1	7.179	837		48.7					93
Wet Bulb	812373	25421	30.4	6.943	837		59.0					93
Dew Point	668973	22695	27.1	8.008	837		70.1					93

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 0000-0200
HOURS 11 5 11

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB

MONTN

0300-0500

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
45/ 47				.3														2	2							
46/ 45		.8	.9	.3														15	15	1	1					
44/ 43		.9	.9															14	14	9	5					
42/ 41	.1	5.6	2.0	.5														63	63	22	5					
41/ 39	.5	3.4	2.2	.4														50	50	51	26					
38/ 37	.9	5.1	1.3	.8														62	62	44	38					
36/ 35	1.4	6.3	1.6	.5														75	75	75	60					
34/ 33	1.3	7.1	2.1	.1														81	81	80	51					
32/ 31	.5	3.8	2.9															55	55	84	57					
31/ 29		7.7	2.2															76	76	76	54					
28/ 27	2.0	8.5	3.4															106	106	87	102					
26/ 25	1.4	6.2																58	58	84	46					
24/ 23	.8	5.8																50	50	62	78					
22/ 21	2.4	1.0	.1															27	27	50	84					
19/ 19	1.0	.8																14	14	16	51					
18/ 17	.4	.8																9	9	13	51					
16/ 15		.7																5	5	8	31					
14/ 13																					6					
12/ 11																					5					
11/ 9																					11					
TOTAL	12.964	6.19	7.2	9														762	762	762	762					

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 0600-0800
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
48 / 47		.1	.1															2	2					
46 / 45		1.0	.1	.3														11	11	2	1			
44 / 43	.3	.1	1.3															13	13	10	5			
42 / 41		4.9	2.1															53	53	13	7			
41 / 39	.3	4.3	2.8															56	56	44	16			
38 / 37	.4	4.7	.9	.7														51	51	48	31			
36 / 35	1.3	7.1	2.5	1.0														91	91	76	56			
34 / 33	1.3	6.2	.5	.9														68	68	67	64			
32 / 31	.4	4.3	1.6															48	48	96	46			
31 / 29	.3	8.8	2.9															91	91	68	63			
28 / 27	1.8	8.3	2.2															94	94	86	82			
26 / 25	1.4	8.0																72	72	89	59			
24 / 23	1.0	6.0																54	54	70	82			
22 / 21	1.3	1.6																22	22	45	81			
21 / 19	2.8	.4																24	24	33	48			
18 / 17	.3	.4																5	5	6	67			
16 / 15		.7																5	5	7	39			
14 / 13																					2			
12 / 11	.1	.1																2	2	2	6			
11 / 9																					6			
8 / 7																					1			
TOTAL	13.0	67.1	117.1	2.9														762	762	762	762			

Element (X)	Σ x ¹	Σ x	X	c _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5146656	62200	81.6	9.552	762	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	787994	23988	31.5	6.570	762		46.0					84
Wet Bulb	704591	22681	29.8	6.225	762		55.3					84
Dew Point	567762	20080	26.4	7.124	762		64.2					84

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
52 / 51					.1													1	1																
51 / 49			.1		.1													2	2																
48 / 47			.1		.1													2	2																
44 / 45		1.3	1.0	.4	.3													23	23	2															
44 / 43	.4	.8	1.6	.4														24	24	19	4														
42 / 41		2.1	4.1	.5	.1													52	52	18	14														
41 / 39		3.4	3.5	.5	.1													58	58	35	8														
38 / 37	.9	4.5	1.3	.9														58	58	58	30														
35 / 35	.3	7.0	2.9	.7														82	82	70	58														
34 / 33	.9	6.3	2.1	.5														75	75	80	69														
32 / 31		3.9	3.4															56	56	96	42														
31 / 29	.3	10.8	2.8	.1														106	106	85	69														
28 / 27	1.0	8.3	3.4															97	97	104	92														
26 / 25	.7	5.4	.1															47	47	77	62														
24 / 23	.1	5.8	.1															46	46	60	97														
22 / 21	1.0	1.3	.1															19	19	32	74														
21 / 19	.8	.4																9	9	17	68														
18 / 17		.3																2	2	6	40														
16 / 15		.1																1	1	1	21														
14 / 13		.1																1	1	1	5														
12 / 11		.1																1	1	1	4														
11 / 9																					1														
5 / 7																																			
TOTAL	6.461	826.8	4.1	.9														762	762	762	762														

PSYCHROMETRIC SUMMARY

73-81

FEA

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
56/ 57						.1												1	1												
56/ 55						.1												1	1												
54/ 53				.3	.1													3	3												
52/ 51			.1	.1		.3												4	4												
51/ 49				.1	.5													5	5	1											
48/ 47		.4	1.2	.7	.7	.1	.1											24	24	3											
46/ 45		1.6	1.7	1.7	.5													42	42	9	2										
44/ 43	.1	1.0	2.8	1.3	.8	.4												49	49	29	8										
42/ 41		2.9	3.7	.8	.7	.4												64	64	38	13										
41/ 39		1.7	4.7	1.2	.8													64	64	60	25										
38/ 37	1.4	4.7	2.5	.8														72	72	54	42										
36/ 35		5.2	2.9	2.0														77	77	95	56										
34/ 33	1.0	4.9	4.3	.8														84	84	78	69										
32/ 31		3.9	4.3	.5														67	67	100	54										
30/ 29	.3	5.6	3.4	.3														73	73	81	66										
28/ 27	.3	7.6	.7															65	65	97	84										
26/ 25	.5	4.6	.5															43	43	59	79										
24/ 23	.4	2.5	.1															23	23	37	85										
22/ 21		.1																1	1	19	80										
21/ 19																				2	53										
18/ 17																					18										
16/ 15																					15										
14/ 13																					8										
12/ 11																					5										
TOTAL	4.1	46.9	32.9	10.5	4.1	1.4	.1											762	762	762	762										

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4369840	56898	74.7	12.626	762	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	994125	27047	35.5	6.694	762		30.0					84
Wet Bulb	834874	24820	32.6	5.894	762		43.5					84
Dew Point	625980	21226	27.9	6.754	762		60.3					84

PSYCHROMETRIC SUMMARY

FEB
MONTH

1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53				.1														1	1																
52/ 51				.4	.3	.3												7	7																
50/ 49			.1	.4	.7	.7	.1											15	15																
48/ 47		.1	1.6	1.2	.3	.3												26	26	3															
46/ 45		1.2	1.6	2.5	1.2	.1												50	50	12															
44/ 43		1.7	2.6	2.9	.5	.8	.3											67	67	33	8														
42/ 41		1.8	3.7	1.6	.4	.1												58	58	43	14														
40/ 39		3.0	3.3	.9	.9													62	62	65	28														
38/ 37	1.3	3.9	2.0	2.2														72	72	75	41														
36/ 35	.1	3.7	4.5	1.3	.3													75	75	75	50														
34/ 33	.5	5.5	4.9	.9														90	90	65	80														
32/ 31	.1	4.1	3.0	.9														62	62	131	55														
30/ 29		5.6	3.4	.1														70	70	76	60														
28/ 27	.5	5.5	.8															52	52	83	92														
26/ 25	.1	4.2	1.2															42	42	54	96														
24/ 23	.5	1.0																12	12	30	70														
22/ 21	.1																	1	1	17	62														
20/ 19																					58														
18/ 17																					18														
16/ 15																					16														
14/ 13																					11														
12/ 11																					3														
TOTAL	3.4	41.5	32.5	15.5	4.5	2.2	.4												762	762	762														

PSYCHROMETRIC SUMMARY

1-6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

FEB
MONTH

PAGE 1

1800-2000
HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

16163
STATION

HAHN AB DL

73-81

FEB

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR

MONTH

0000-0200

HOURS: 5-8

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
56 / 55			.4			.2												5	5															
54 / 53			.5	.1	.4													8	8	3	1													
52 / 51		.6	.4	.8	.2	.1												18	18	6	2													
50 / 49	.1	1.3	1.7	.7														32	32	8	7													
48 / 47		1.6	1.6	.8	.5													37	37	18	8													
46 / 45		2.9	2.6	.7	.4													55	55	39	16													
44 / 43	.5	1.6	3.0	1.9	.4													61	61	56	16													
42 / 41		2.4	6.0	.7														76	76	42	48													
40 / 39	.1	4.5	6.0	.6														94	94	65	31													
38 / 37	.7	4.5	4.8	.7														90	90	110	53													
36 / 35	1.6	6.5	5.7	.8	.2													124	124	113	97													
34 / 33	.5	2.9	4.2	.4														66	66	98	99													
32 / 31	.4	3.0	3.7	.5	.4													66	66	87	76													
30 / 29	.4	4.2	1.6															51	51	80	84													
28 / 27		1.3	1.4	.1														24	24	47	89													
26 / 25		.2	.6	.2														9	9	28	58													
24 / 23		.5	1.2															14	14	11	50													
22 / 21		.2	.6															7	7	10	27													
20 / 19																				13	17													
18 / 17																				3	16													
16 / 15																					8													
14 / 13																					11													
12 / 11																					6													
10 / 9																					9													
8 / 7																					6													
6 / 5																					2													
TOTAL	4.238	6.45	3.9	2.4	.2	.1												837	837	837	837													
																		837		837														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL 73-81 MAR
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.		TOTAL Dry Bulb Wet Bulb Dew Point		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
57 / 57						.1																											1	1		
56 / 55					.2																												2	2		
54 / 53				.2				.2																									4	4	2	
52 / 51			.5	.4	.5	.1																										12	12	7	2	
50 / 49			.5	.5	.4	.2																										13	13	3	5	
48 / 47		.2	1.2	2.4	.2		.1																									35	35	10	7	
46 / 45			4.2	2.4	.2																											57	57	34	16	
44 / 43		.2	2.2	1.9	.7	.1																										43	43	54	10	
42 / 41		.1	3.9	5.3	.6	.2																										85	85	43	52	
40 / 39		.2	4.7	3.9	.4																											77	77	52	42	
38 / 37		1.1	5.3	3.0	.2	.1																										81	81	90	45	
36 / 35		1.4	7.8	3.7	.5	.1																										113	113	101	85	
34 / 33		.8	4.9	5.6	.2																											97	97	114	74	
32 / 31		.7	3.0	2.6	.2																											55	55	88	89	
30 / 29		.7	6.0	1.8		.2																										73	73	100	74	
28 / 27		.1	2.9	2.2	.1																											44	44	62	107	
26 / 25			.7	.1																												7	7	30	65	
24 / 23			1.2	.8																												17	17	12	58	
22 / 21			.4	1.2																												13	13	9	26	
20 / 19			.6	.1																												6	6	8	23	
18 / 17			.1																													1	1	15	17	
16 / 15			.1																													1	1	2	7	
14 / 13																																			1	2
12 / 11																																				10
10 / 9																																				10
8 / 7																																				6
6 / 5																																				5
TOTAL	5.750	.238	.1	4.4	1.4	.1																										837	837	837	837	

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	5273793	65811	78.6	10.896	837	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F
Dry Bulb	1169322	30758	36.7	6.833	837		24.1				93
Wet Bulb	1024071	28743	34.3	6.655	837		36.3				93
Dew Point	833992	25558	30.5	8.005	837		55.4				93

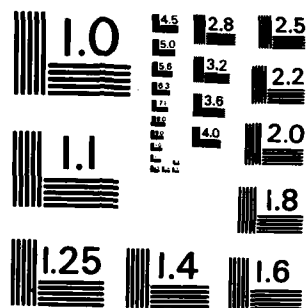
USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A122 716 MAIN AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 09 AUG 82
UNCLASSIFIED USAFETAC/DS-82/049 SBI-AD-E880 208 F/G 4/2

MAIN AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 09 AUG 82
USAFETAC/DS-82/049 SBI-AD-8880 208 F/G 4/2

4/5

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
58/ 57				.1														1	1													
56/ 55			.2															2	2													
52/ 51	.1	.6		.2	.1													9	9	9	1											
50/ 49		.5	.7	.2	.1													13	13	3	5											
48/ 47	.2	.7	1.3	.6														24	24	8	8											
46/ 45		3.8	1.2	.6														47	47	23	13											
44/ 43	.4	3.2	2.2	.4														51	51	50	14											
42/ 41		3.7	6.3	1.0														92	92	34	44											
40/ 39	.6	4.8	4.5	.2														85	85	67	41											
38/ 37	1.1	3.2	3.2	.5	.1													68	68	93	36											
36/ 35	1.6	8.0	4.8															120	120	89	95											
34/ 33	1.2	4.1	4.2															79	79	125	75											
32/ 31	.2	5.1	2.8															68	68	86	75											
30/ 29	.5	5.3	2.2	.1														67	67	87	89											
28/ 27	1.0	3.5	1.7	.2														53	53	74	101											
26/ 25		1.2	.2	.1														13	13	30	70											
24/ 23		2.0	.6															22	22	15	61											
22/ 21		.8	.6															12	12	18	30											
20/ 19		.6	.1															6	6	10	16											
18/ 17		.2																2	2	10	14											
16/ 15		.2																2	2	3	19											
14/ 13																				2	7											
12/ 11																					7											
10/ 9																					6											
8/ 7																					5											
6/ 5																					4											
TOTAL	6.8	51.7	36.8	4.3	.4														836		836											
																		836		836												

Element (X)	Σx^1	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5361842	66424	79.5	10.039	836	$\leq 0^\circ F$	$\leq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	1136787	30305	36.3	6.766	836		27.5					93
Wet Bulb	1002045	28413	34.0	6.600	836		37.3					93
Dew Point	821475	25371	30.3	7.854	836		56.1					93

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1 0900-1100
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 1 1200-1400
HOURS 11, 5, 7

[illegible]

PSYCHROMETRIC SUMMARY

MAR
MONTH

HOURS: 9:00 A.M. - 5:00 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

1800-2000
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/ 61				.1														1	1																
55/ 59				.1		.2	.1											4	4																
58/ 57			.1		.6	.1												7	7																
56/ 55			.1	.6	1.3	.4	.2											22	22	1															
54/ 53		.1	.5	.8	.6	.1	.1											19	19	2															
52/ 51	.4	.4	.7	1.1	.2	.2												25	25	8	3														
50/ 49		.8	1.4	1.1	.6	.1												34	34	22	6														
48/ 47		1.4	1.9	1.0	.6													41	41	39	9														
46/ 45	.1	3.1	1.8	3.8	.5	.5												82	82	47	29														
44/ 43		2.2	5.3	3.7	.5													97	97	48	16														
42/ 41		2.4	7.4	3.3	.6	.1												116	116	67	60														
40/ 39	.1	3.0	5.7	1.4	1.0	.1												95	95	108	53														
38/ 37		.6	2.3	4.2	1.7	.2												75	75	100	62														
36/ 35	.1	2.0	4.1	2.0	.5	.1												74	74	101	78														
34/ 33	.1	1.8	5.0	1.3	.7													75	75	81	97														
32/ 31	.1	1.1	1.4	.4	.5													29	29	76	52														
30/ 29		1.9	.1	.2	.4													22	22	71	83														
28/ 27			.5	.2														6	6	28	83														
26/ 25		.6	.5															9	9	18	53														
24/ 23		.1	.1															2	2	11	54														
22/ 21			.1															1	1	7	28														
20/ 19																					18														
18/ 17																				1	10														
16/ 15																					7														
14/ 13																					7														
12/ 11																					11														
10/ 9																					2														
8/ 7																					6														
6/ 5																					9														
TOTAL	1.6	23.2	41.0	23.0	8.7	2.0	.5											836	836		836														

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MAR
MONTH

PAGE 1 2100-2300
HOURS 10:50-1:00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
56/ 55			.4	.1		.2												6	6																
54/ 53			.1	.5	.5													9	9																
52/ 51	.1	1.0	1.1	1.1	.1	.1												29	29	6	1														
50/ 49		1.3	.6	1.0		.1												25	25	18	3														
48/ 47		1.1	2.9	1.1		.2												44	44	20	18														
46/ 45		3.0	2.6	1.1	.5													60	60	53	15														
44/ 43	.1	2.0	3.8	2.7														73	73	46	24														
42/ 41	.1	3.9	7.5	1.3	.1													109	109	45	46														
40/ 39	.1	2.7	6.7	.7	.2													88	88	91	56														
38/ 37	1.3	3.6	5.4	1.4	.4													101	101	101	55														
36/ 35	.4	4.3	5.4	1.3	.1													96	96	105	83														
34/ 33		1.9	5.4	1.1	.1													71	71	103	79														
32/ 31		1.6	2.2	.5	.4													38	38	67	64														
30/ 29		3.8	1.1	.7	.2													49	49	83	86														
28/ 27		1.2	.6	.4														18	18	45	96														
26/ 25		.1	.4	.4														7	7	20	48														
24/ 23		.5	.8															11	11	13	65														
22/ 21		.1	.2															3	3	14	22														
20/ 19																				5	20														
18/ 17																				2	9														
16/ 15																					12														
14/ 13																					5														
12/ 11																					10														
10/ 9																					10														
8/ 7																					5														
6/ 5																					5														
TOTAL	2.232	147.115	3	2.6	.7													837	837	837	837														
																		837		837															
																</																			

USAFETAC
FORM
JA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 (160) STATION HAHN AB OL 73-81 YEARS APR MONTH

PAGE 1 0000-0200
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B. Dry Bulb	Wet Bulb Dew Point			
61								.1																									2	2			
59								.1			.1																						3	3			
57								.1			.2			.1																			4	4			
55								.1	.5		.2																						7	7			
53			.4	.4		.2	1.0	1.6																									32	32	5	1	
51			.1	1.5	.4	.9	.7																										29	29	1	2	
49			.6	1.9	.9	1.9	.9																										49	49	14	1	
47	.2	1.5	2.1	1.0	1.5	.2																											53	53	32	12	
45	.7	1.9	3.1	2.7	1.5																												80	80	55	28	
43			2.5	3.3	2.6	.7																											74	74	64	14	
41	.1	3.3	3.1	2.0	1.0																												77	77	76	49	
39			2.5	3.8	3.6	.5																											84	84	93	35	
37			2.8	4.1	1.1	.2																											67	67	75	54	
35			3.3	5.3	2.5	.2																											92	92	81	85	
33			5.2	4.1	1.0	.1																											84	84	110	62	
31	.1	2.7	2.0	.4																													42	42	94	81	
29			1.9	.9	.1																													23	23	68	100
27			.5	.4																														7	7	28	121
25																																				10	50
23																																				3	50
21																																					21
19																																					16
17																																					18
15																																					3
13																																					2
11																																					4
TOTAL	1.229	2.235	8.18	8.10	.1	4.1	.7																										809	809	809		
																																		809	809		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4182333	57079	70.6	13.856	809	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1403614	33254	41.1	6.740	809		8.0					90
Wet Bulb	1146424	30078	37.2	5.902	809		22.6					90
Dew Point	856055	25685	31.7	7.087	809		51.8					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

176160 HAHN AB DL 73-81 APR
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
57/ 57			.1															1		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4654812	60528	74.7	12.764	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1267585	31647	39.1	6.203	810		14.4					90
Wet Bulb	1071322	29098	35.9	5.671	810		29.6					90
Dew Point	833967	25395	31.4	6.834	810		53.4					90

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 0600-0800
HOURS 11. 5. T.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
56/ 55						.2												2	2																
54/ 53		.2		.1	.2	.4	.1											9	9																
52/ 51		.5	.2	.7	.6	.2												19	19	5															
50/ 49		1.0	.6	.4	.9	.1												24	24	4	5														
48/ 47		1.4	1.1	.6	.9	.2												34	34	19															
46/ 45	.5	4.3	4.0	2.5	.6													96	96	35	24														
44/ 43	.1	2.6	3.5	2.6	.6													76	76	56	24														
42/ 41		5.1	3.0	2.2	.1													84	84	85	41														
40/ 39		3.8	5.3	1.1	.2													85	85	77	33														
38/ 37		3.8	3.5	1.5														71	71	75	62														
36/ 35		6.5	3.6	1.1	.1													92	92	96	64														
34/ 33	.1	5.4	4.0	1.0														85	85	104	62														
32/ 31		4.0	3.1	.1														58	58	101	89														
30/ 29		4.8	1.1	.2														50	50	95	103														
28/ 27		2.1	.9															24	24	35	123														
26/ 25		.1																1	1	22	57														
24/ 23																				1	59														
22/ 21																					29														
20/ 19																					22														
18/ 17																					3														
16/ 15																					4														
14/ 13																					1														
12/ 11																					1														
TOTAL		.745	.733	.714	.2	4.3	1.2	.1											810	810	810														
																		810		810															

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 1 0900-1100
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
66 / 65									.1									1	1																
64 / 63				.2				.1	.5									7	7																
62 / 61						.4	.4	.1										7	7																
60 / 59					.4	1.2	.9											20	20																
58 / 57			.1	.1	.7	.7	.1											15	15	2															
56 / 55			.1	.5	1.0	1.6	.2											28	28																
54 / 53		.4	.6	1.1	1.7	.9	.1											39	39	1															
52 / 51		.1	1.0	1.2	1.5	.7												37	37	17	3														
50 / 49		.5	.9	1.0	1.2	.4	.1											33	33	37	3														
48 / 47		1.4	1.4	1.9	1.7	.7												57	57	48	10														
46 / 45	.4	3.7	3.8	3.8	1.4	.7												112	112	72	30														
44 / 43		.4	4.1	2.0	1.4	.1												64	64	66	36														
42 / 41		3.0	3.5	3.2	1.5													90	90	85	43														
40 / 39		2.5	4.3	1.7	.7													75	75	84	54														
38 / 37		2.6	4.3	1.9	.1													72	72	72	78														
36 / 35		3.3	3.6	.7														62	62	96	86														
34 / 33		2.2	4.1	.6														56	56	92	73														
32 / 31		2.0	1.2															26	26	87	59														
30 / 29		1.0																8	8	46	90														
28 / 27		.1																1	1	5	97														
26 / 25																					69														
24 / 23																					52														
22 / 21																					15														
20 / 19																					6														
18 / 17																					3														
16 / 15																					3														
TOTAL	.4	23.1	33.0	20.0	13.3	7.5	2.0	.6	.1									810	810	810	810														
																		810		810															

PSYCHROMETRIC SUMMARY

YEARS

APR
MON

PAGE 1 1200-1400
HOURS S. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B. Dry Bulb	Wet Bulb	Dew Point														
11/ 69																		1	1															
66/ 67									.1	.1								2	2															
66/ 65										.9								7	7															
64/ 63					.2	.1	.2	.9	1.6	.2								27	27															
62/ 61			.1	.4			1.6	2.6	.1									39	39															
61/ 59				.5	.5	1.1	3.5	.2										47	47	1														
56/ 57				.5	.4	1.5	.7											25	25	2														
56/ 55			.4	.5	.7	2.1	.7											36	36	4														
54/ 53		.1	.1	.1	1.4	1.5	.5	.1										31	31	10														
52/ 51		.2	1.5	1.4	1.5	1.1	.9											53	53	42														
51/ 49		.7	.7	.6	2.2	.6	.7	.1										47	47	66														
48/ 47		1.1	1.5	2.2	2.2	1.9	.2											74	74	69														
46/ 45		1.7	3.6	2.3	3.5	1.2												100	100	59														
44/ 43		.5	3.0	1.5	2.3	.7												65	65	82														
42/ 41		1.6	2.0	3.6	2.0	.4												77	77	72														
41/ 39		1.9	3.5	1.9	1.5	.1												71	71	84														
38/ 37	.1	2.0	3.7	.7														53	53	88														
36/ 35		1.9	1.7	.6														34	34	95														
34/ 33		.2	1.0	.1														11	11	79														
32/ 31		.9	.4															10	10	41														
31/ 29																				16														
28/ 27																																		
26/ 25																																		
24/ 23																																		
22/ 21																																		
21/ 19																																		
18/ 17																																		
16/ 15																																		
14/ 13																																		
TOTAL	.112	.823	.117	.218	.314	.110	.7	2.3	1.4									810	810	810														

USAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
69 / 69									.1									1	1																		
68 / 65									.1									1	1																		
64 / 63						.1	.1	.5	1.0									14	14																		
62 / 61					.4	.7	.6	1.0										22	22																		
59 / 59			.2	.1	.5	.6	2.1	.4										32	32																		
58 / 57			.1	.6	.4	1.2	1.7	.1										34	34																		
55 / 55		.1	.1	.7	.2	2.5	1.0											38	38	2																	
54 / 53		.1	.7	.6	1.5	1.6	.7											43	43	10																	
52 / 51		.7	.6	1.0	1.9	1.0	.2	.1										45	45	18																	
50 / 49			.5	.4	1.6	1.6	1.0											41	41	42	2																
47 / 47	1.5	2.2	1.7	1.2	1.6	.2												69	69	64	8																
46 / 45	.2	2.1	3.3	2.0	2.2	1.5												92	92	73	40																
44 / 43		.9	2.5	1.7	2.0	.7												63	63	84	17																
42 / 41		2.7	3.0	3.7	1.9	.7												97	97	78	48																
40 / 39		1.2	4.1	2.1	1.6													73	73	79	37																
38 / 37	.4	1.7	2.8	1.4	.4													54	54	88	61																
36 / 35		3.5	1.1	.4	.2													42	42	92	93																
34 / 33		2.6	1.4	.2	.1													35	35	89	78																
32 / 31		.7	.5	.1														11	11	63	69																
30 / 29		.1	.1															2	2	21	89																
28 / 27																				5	112																
26 / 25																				1	51																
24 / 23																					41																
22 / 21																					17																
20 / 19																					17																
18 / 17																					19																
16 / 15																					2																
14 / 13																					4																
TOTAL	.618	.023	.416	.816	.114	.0	7.8	2.1	1.2									809	809	809	809																

PSYCHROMETRIC SUMMARY

APR
MONTH

PAGE 1 2100-2300
HOURS L.S.T.

[illegible]

PSYCHROMETRIC SUMMARY

MAY
MONTH[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL STATION NAME

73-81

YEARS

MAY MONTH

PAGE 1 1200-1400
HOURS 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
79																																	3	3	
77											.1	.2																					5	5	
75											.1	.1	.1	.6	.6																		13	13	
73												.2	.2	.5																			8	8	
71											.5	.5	.8																				15	15	
69								.1	.6	.7	.7	.5																					22	23	
67								.5	.7	1.1	.2																						21	21	
65						.1	.2	1.7	1.9	.8																							40	40	
63				.1	.4	.8	3.2	2.3	1.6	.5																							74	74	
61			.1	1.1	1.0	2.4	1.9	.8																									61	61	
59		.2	.6	1.4	3.2	2.9	1.7	.4																									87	87	
57		.1	.4	3.0	3.2	2.5	1.6	.5																									94	94	
55		.4	.5	3.1	2.2	1.2	1.2	.2																									73	73	
53		.1	1.1	1.7	1.4	.6	.5																										45	45	
51		.1	2.3	2.6	1.7	.4	.2																										61	61	
49	.1	.1	1.7	1.4	.8	1.0																											43	43	
47	.2	1.2	2.0	1.7	1.0	.5																											55	55	
45	.1	2.2	1.4	1.3	.7	.2																											50	50	
43		.7	2.2	.7	.7																												36	36	
41		.1	.4	.2	.2																												8	8	
39		.5	.5	.1																													9	9	
37	.1	.2	.4																														6	6	
35		.2	.6																														7	7	
33																																			
31																																			
29																																			
27																																			
25																																			
23																																			
21																																			
TOTAL	.6	6.2	14.1	18.9	17.3	18.3	13.8	6.7	3.2	.8																							836	837	
																																		836	
Element (X)	ΣX'	ΣX	Y	%	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	3034574	48762	58.3	15.100	836	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93																							
Dry Bulb	2730073	47273	56.5	8.481	837			9.8	3.2			93																							
Wet Bulb	2011051	40677	48.7	6.175	836			.3	.1			93																							
Dew Point	1452395	34357	41.2	6.958	836		11.9					93																							

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

<u>1 6160</u>	<u>HAHN AB DL</u>	
STATION		STATION NAME

73-81

YEARS

 MAY
MONTH

PAGE 1 1500-1700
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point																
82/ 81																		2	2																
81/ 79									.1									4	4																
78/ 77								.1	.1	.2	.2	1.0						14	14																
76/ 75								.1	.2	.1	.1							5	5																
74/ 73								.1	.4	.6	.2							11	11																
72/ 71							.5	.5	.2	1.3	.1							22	22																
70/ 69					.1	.4	.4	1.0	1.9									31	31																
68/ 67						.7	1.4	.8		.1								26	26																
66/ 65					.4	.8	1.7	1.4	1.2	.2								48	48	4															
64/ 63				.6	1.0	2.4	1.8	1.9	1.0	.1								73	73	6															
62/ 61			.2	.6	1.6	3.0	2.3	.7										70	70	9															
60/ 59		.1	.4	.6	3.8	2.6	3.1	1.1										98	98	24															
58/ 57		.2	.5	2.2	1.7	1.9	1.6	.6										72	72	46	6														
56/ 55		.4	.6	3.1	1.1	2.2	1.0	.2										71	71	62	10														
54/ 53		.1	.4	3.2	1.7	.5	.2											51	51	76	15														
52/ 51		.4	1.6	1.7	1.4	1.4	.6											61	61	119	32														
50/ 49	.1	.4	1.9	1.3	1.8	.2												48	48	121	24														
48/ 47	.2	1.3	1.2	1.2	.5	.1												38	38	99	41														
46/ 45	.4	1.0	1.2	1.7	.5	.2												41	41	98	146														
44/ 43		.5	1.7	.1	.7													25	25	56	102														
42/ 41		.1	.7	.1	.1													9	9	47	102														
40/ 39		.1	.7	.1														8	8	32	77														
38/ 37		.5	.4															7	7	13	60														
36/ 35		.1	.1															2	2	18	61														
34/ 33																				6	48														
32/ 31																				1	31														
30/ 29																					32														
28/ 27																					33														
26/ 25																					10														
24/ 23																					5														
22/ 21																					1														
20/ 19																					1														
TOTAL	1.0	5.1	11.5	16.5	15.8	17.3	14.9	8.8</																											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0160 HAHN AB DL 73-81 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS 1115-11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
76/ 75													.2	.1																			3	3				
72/ 71																																	1	1				
71/ 69								.1	.1				.5	.4																		9	9					
68/ 67										.2	.1	.2																				5	5					
66/ 65							.2	.2	.5	.4																						11	11					
64/ 63				.1	.1	.6	.6	.8	.1																							20	20	2				
62/ 61				.2	.2	.2	1.9	1.0																								30	30	4				
61/ 59		.2	.1	.5	1.1	1.4	1.1																									37	37	2	1			
58/ 57			.6	2.7	1.1	1.1	.5																									50	50	8	6			
56/ 55		1.0	.7	3.5	2.6	1.1	.6																									79	79	21	2			
54/ 53	.1	.8	1.8	2.7	1.7	.6	.5																									69	69	34	8			
52/ 51		1.2	4.4	3.7	2.7	.6	.2																									108	108	73	11			
51/ 49		1.2	4.8	1.3	1.7	.6																										80	80	98	19			
48/ 47	.2	1.2	5.4	2.5	1.3	.6																										94	94	132	41			
46/ 45		3.1	3.6	3.9	1.6	.2																										104	104	115	128			
44/ 43		1.6	1.6	1.7	.7	.2																										48	48	103	89			
42/ 41	.2	1.3	1.4	1.3																												37	37	92	134			
40/ 39		.1	1.3	.5																												16	16	50	80			
38/ 37		.5	1.2	.2																												16	16	38	59			
36/ 35		.1	1.2	.1																												12	12	26	62			
34/ 33		.5	.4	.1																												8	8	23	51			
32/ 31																																			15	39		
30/ 29																																			1	34		
28/ 27																																				50		
26/ 25																																				15		
24/ 23																																				3		
22/ 21																																				3		
20/ 19																																				2		
TOTAL	.6	12.8	28.8	25.2	15.8	9.6	5.5	1.3	.5																							837	837	837	837			

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3895981	55837	66.7	14.304	837	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$
Dry Bulb	2204563	42545	50.8	7.087	837			2.0	.3		93
Wet Bulb	1746377	37933	45.3	5.709	837		1.8				93
Dew Point	1345380	33078	39.5	6.755	837		16.2				93

PSYCHROMETRIC SUMMARY

MAY
MONTE

ALL

[illegible]

PSYCHROMETRIC SUMMARY

JUN 1965

PAGE 1 0000-0200
HOURS S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
76 / 75								.1										1		1																
74 / 73						.2					.1	.2						5		5																
72 / 71							.1	.5	.1	.2								6		6																
70 / 69				.1	.5		.4	.1										9		9																
68 / 67				.4	.1	.6	.5	.2										15		15																
66 / 65		.1		.4	.4	1.1	.1											17		17																
64 / 63		.2	.5	2.5	.6	1.4	.2	.1										45		45	5															
62 / 61		.1	2.2	1.9	.6	.4												42		42	10	2														
60 / 59	.4	.9	4.0	3.0	1.4	.6	.6	.1										88		88	19	11														
58 / 57	.1	2.7	4.4	2.5	1.7	.4												96		96	66	8														
56 / 55	.2	2.5	3.3	2.2	.9	.4	.4											80		80	99	39														
54 / 53	.1	2.1	6.2	4.3	.2	.6	.1											111		111	102	79														
52 / 51	.4	1.9	4.2	1.2	.6	.1												68		68	89	73														
50 / 49		2.6	3.0	1.1	.2													56		56	119	81														
48 / 47	.1	2.8	2.7	1.2	.5													60		60	86	95														
46 / 45	.2	3.1	3.0	1.5	.2													65		65	67	128														
44 / 43		1.2	1.0	.7	.1													25		25	63	88														
42 / 41	.2	.7	1.0	.4														19		19	43	69														
40 / 39				.1														1		1	26	21														
38 / 37																					13	29														
36 / 35																					1	36														
34 / 33																					1	25														
32 / 31																						13														
30 / 29																						8														
28 / 27																						3														
26 / 25																						1														
TOTAL	1.921	.035	.523	.5	8.2	5.8	2.5	1.2	.2	.2										809	809	809	809													

Element (X)	ΣX^1	ΣX	\bar{X}	σ_s	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4547001	59703	73.813	210	809	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	90
Dry Bulb	2449675	44193	54.6	6.634	809			4.0	.7		90
Wet Bulb	2054159	40515	50.1	5.580	809						90
Dew Point	1746039	37215	46.0	6.497	809		2.8				90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL 73-81 JUN
STATION STATION NAME YEARS MONTH
PAGE 1 0300-0500
HOURS ... S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 71					.1													1	1																
70/ 69						.2		.2										4	4																
68/ 67				.1	.1		.2	.2										6	6																
66/ 65			.5		.2	.5	.6											15	15	1															
64/ 63		.4	.2	1.9	.5	.6	.1											30	30	1															
62/ 61		.7	1.4	1.0	.9	1.1												41	41	9	3														
60/ 59		1.7	3.0	3.0	2.1		.4											82	82	17	12														
58/ 57	.1	1.9	3.0	2.6	1.4	.1	.1											74	74	41	12														
56/ 55	.2	3.7	3.7	2.3	1.0	.1												90	90	63	23														
54/ 53	.1	4.1	2.5	2.3	.1	.6	.1											80	80	98	58														
52/ 51	.4	3.3	4.1	1.2	.6	.5												82	82	115	62														
50/ 49	.4	4.6	2.8	.5	.2													69	69	104	75														
48/ 47	.1	3.8	2.6	1.1														62	62	101	91														
46/ 45		6.7	3.7	1.7	.4													101	101	70	162														
44/ 43	.1	2.6	2.0	.2														40	40	86	78														
42/ 41		1.2	.9	.4														20	20	47	91														
40/ 39		.1	1.1	.1														11	11	35	30														
38/ 37			.2															2	2	7	35														
36/ 35																				12	26														
34/ 33																				3	22														
32/ 31																					8														
30/ 29																					14														
28/ 27																					7														
26/ 25																					1														
TOTAL	1.534	8.31	6.18	5.7	7.7	3.8	1.6	.5										810	810	810	810														

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4899675	62187	76.8	12.446	810	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F
Dry Bulb	2298564	42640	52.9	6.368	810			1.2			90
Wet Bulb	1973410	39722	49.0	5.610	810						90
Dew Point	1708666	36836	45.5	6.436	810		3.3				90

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL

73-81

JUN

PAGE 1 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
61/ 75															.1	.1																2	2		
64/ 73															.2	.1																3	3		
62/ 71										.1	.2				.2																	5	5		
71/ 69								.2	.4	.4																						8	8		
66/ 67					.1	.2	.4	.6																								11	11		
66/ 65			.2	.1	.9	.5	.4																									17	17		
64/ 63		.1	.7	1.7	1.0	.7	.2	.1																								38	38		
62/ 61		.5	2.5	2.2	.4	1.0																										53	53		
51/ 59		1.2	4.4	3.3	2.3	.1	.4																									96	96		
56/ 57	.2	3.2	2.2	2.7	.9	.2	.1																									78	78		
51/ 55	.9	3.0	4.6	2.3	.9	.5																										98	98		
47/ 53	.7	2.3	5.9	1.6	.6	.1																										92	92		
42/ 51	.7	2.0	3.2	1.5	.6	.1																										66	66		
51/ 49	.4	3.0	2.8	.4	.2																											55	55		
46/ 47	.5	3.3	4.6	1.5	.1																											81	81		
46/ 45	.1	3.7	2.5	.9	.2																											60	60		
44/ 43	.6	.7	1.2	.4																												24	24		
42/ 41	.2	.6	1.4	.2																												20	20		
41/ 39		.4																														3	3		
36/ 37																																10	30		
26/ 35																																4	16		
38/ 33																																	21		
32/ 31																																	5		
31/ 29																																	8		
28/ 27																																	1		
TOTAL	4.4	23.7	36.7	19.0	8.6	4.2	2.3	.7	.2																							810	810		

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4802297	61473	75.9	13.0	810	$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2433366	44082	54.4	6.5	810			3.2	.6			90
Wet Bulb	2070578	40716	50.3	5.4	810							90
Dew Point	1788328	37736	46.6	6.1	810		1.6					90

USAFETAC FORM 0-26-3 (OL A)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160
STATION

HAHN AB DL

STATION NAME

73-61

YEARS

JUN
MONTH

PAGE 1 C900-1100
HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
4/ 83																					.1												1	1				
5/ 81																				.4					.1								4	4				
6/ 79																		.2	.1														3	3				
7/ 77										.1	.1	.2	.4	.7	.1																		14	14				
8/ 75									.2	.5	.2	.4																						11	11			
9/ 73								.9	.5	.6																									16	16		
10/ 71							.2	.4	1.0	.1	.4																							17	17			
11/ 69					.1	.9	1.4	.9	.6	.1																								32	32			
12/ 67			.4	.1	1.6	.5	.2	.2																										25	25	1		
13/ 65			.2	.9	2.8	1.4	.7	.4																										52	52	4		
14/ 63			.9	4.4	3.0	1.6	.4	.2	.1																									86	86	25		
15/ 61		.1	1.5	3.6	2.2	2.1	.2	.4																										82	82	40	7	
16/ 59		1.5	3.0	2.3	3.5	.2	.9																											92	92	77	12	
17/ 57	.6	2.0	2.3	3.1	1.5	.2	.2																											81	81	100	38	
18/ 55	.2	1.5	1.6	2.5	.9	.5																												58	58	102	78	
19/ 53	.1	.9	4.1	1.7	1.0	.2	.2																												67	67	87	60
20/ 51		1.0	2.8	1.9	.2																														48	48	99	92
21/ 49	.4	1.0	3.2	.4	.1	.1																													42	42	90	81
22/ 47	.1	1.2	2.7	.4	.2																														38	38	67	88
23/ 45	.2	1.1	.9	1.0	.1																														27	27	67	145
24/ 43		.1	.2	.2	.2																														7	7	18	59
25/ 41		.1	.4																																4	4	15	59
26/ 39			.1																																1	1	10	33
27/ 37			.1																																1	1	5	8
28/ 35																																					1	23
29/ 33																																					1	16
30/ 31																																						2
31/ 29																																						5
32/ 27																																						3
TOTAL	1.7	10.5	24.5	22.6	18.5	9.9	5.9	3.1	1.6	.9	.6				.1																			809	809	809		
																																			809	809		

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_s	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3891160	54834	67.8	14.696	809	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	2881672	47864	59.2	7.853	809			13.7	5.5	.8	90
Wet Bulb	2295113	42837	53.0	5.756	809			.1			90
Dew Point	1882258	38692	47.8	6.267	809		1.1				90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

170160 HAHN AB DL 73-61 JUN
STATION NAME YEARS MONTH
PAGE 1 1200-1400
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																			
67/ 85														.4	.2																		5	5		
64/ 83												.2	.6	.1																			8	8		
62/ 81										.1	.4	.4	.2	.1																			10	10		
60/ 79								.6	.6	.2	.2																						14	14		
75/ 77						.2	.2	.1	.7	1.1																							23	20		
76/ 75						.2	.9	.9	.5	.1																							21	21		
74/ 73				.1	.1	.5	1.1	1.5	.2																								29	29		
72/ 71				.1	.6	.4	2.3	.5	.7																								38	38		
70/ 69				.1	1.7	2.0	1.7	.9																									52	52		
68/ 67				.1	1.7	1.4	.6	.2	.2																								35	35		
66/ 65			.2	1.1	2.8	2.2	1.0	.6	.5																								69	69		
64/ 63		.1	.7	2.8	3.7	3.8	.2	.9	.1																								101	101		
62/ 61		.2	.9	3.0	1.7	2.2	.4	.2																									70	70		
60/ 59		.9	2.1	1.6	3.1	1.2	.7																										78	78		
58/ 57	.1	1.6	1.7	2.8	.9	.7	.2																										66	66		
56/ 55	.2	.7	1.6	2.8	1.0	.4	.2																										57	57		
54/ 53	.1	.4	.9	2.3	1.0	.1	.1																										40	40		
52/ 51		.7	2.3	.6	.4	.1																											34	34		
50/ 49		.2	1.4	.2	.7																												21	21		
48/ 47		1.4	.7	.7	.2	.2																											27	27		
46/ 45		.1	.4	.6	.1																												10	10		
44/ 43			.4	.1																													4	4		
42/ 41				.1																													1	1		
40/ 39																																				
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
30/ 29																																				
28/ 27																																				
26/ 25																																				
TOTAL	.5	6.4	13.3	19.5	19.9	15.8	9.9	6.4	3.8	1.9	.9	.9	.6	.2																			810	810		
																																		810	810	

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3211034	49464	61.1	15.343	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F
Dry Bulb	3231178	50688	62.6	8.557	810			25.8	11.9	3.0	
Wet Bulb	2432952	44148	54.5	5.747	810			.3			
Dew Point	1900042	38894	48.0	6.334	810		1.4				

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL

73-81

JUN
MONTH

PAGE 1 1500-1700
HOURS ... S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
8/ 87																																	1	1	
6/ 85																																	11	11	
4/ 83																																	5	5	
2/ 81																																	15	15	
7/ 79																																	9	9	
7/ 77																																	25	25	
6/ 75																																	23	23	
7/ 73																																	42	42	
7/ 71																																	39	39	
7/ 69																																	62	62	
6/ 67																																	38	38	
6/ 65																																	45	45	
4/ 63																																	101	101	
7/ 61																																	78	78	
7/ 59																																	78	78	
5/ 57																																	71	71	
5/ 55																																	40	40	
4/ 53																																	30	30	
2/ 51																																	39	39	
5 / 49																																	32	32	
4/ 47																																	14	14	
4/ 45																																	10	10	
4/ 43																																	2	2	
2/ 41																																			
4 / 39																																			
3 / 37																																			
7 / 35																																			
3 / 33																																			
2 / 31																																			
7 / 29																																			
7 / 25																																			
TOTAL	1.1	4.9	14.4	18.0	15.2	15.4	12.5	7.5	4.7	3.0	1.0	.9	1.1	.2																		810	810		

Element (X)	ΣX	ΣX^2	ΣX^3	ΣX^4	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3070769	48097	59.4	16.295	810	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F
Dry Bulb	3312794	51312	63.3	8.724	810			30.0	14.6	4.1	
Wet Bulb	2453163	44343	54.7	5.629	810			.3			
Dew Point	1884740	38734	47.8	6.337	810		1.3				

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 160 HAHN AB DL

73-81

JUN

PAGE 1 1800-2000
HOURS S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
4 / 83																					.4	.4	.2									8	8		
5 / 81																			.1	.1	.4	.4										7	7		
6 / 79													.1	.2					.1	.4												7	7		
7 / 77												.5	.4	.6	.1																	13	13		
8 / 75										.2	.5	1.2																					16	16	
9 / 73					.1			.2	1.5	.7	.1	.1																					23	23	
10 / 71						.2	.9	1.6	1.0	.2	.1																						33	33	
11 / 69					.1	.9	3.0	1.0	1.0																								50	50	
12 / 67				.1	.4	1.0	1.0	.7	.6	.2	.1																						34	34	
13 / 65			.1	.5	1.9	2.1	1.0	.1	.5	.1																							51	51	
14 / 63		.2	.7	2.6	2.8	3.3	1.1	.6	.5																								96	96	
15 / 61		.2	2.1	2.2	1.5	1.9	.2																										66	66	
16 / 59		.9	2.4	2.5	3.1	.6	1.0																										84	84	
17 / 57	.1	1.7	1.9	3.0	1.4	.5	.5																										73	73	
18 / 55	.2	1.0	2.7	2.8	1.1	.5																											68	68	
19 / 53	.5	.5	1.5	2.2	1.2	.2																											48	48	
20 / 51	.1	1.1	2.4	1.4	.7	.2	.1																										49	49	
21 / 49		.6	1.7	.4	.5	.1																											27	27	
22 / 47	.6	.6	1.9	.6	.6	.1																											36	36	
23 / 45	.2	.2	.7	.5	.1																												15	15	
24 / 43		.1	.4																														4	4	
25 / 41																																			
26 / 39																																			
27 / 37																																			
28 / 35																																			
29 / 33																																			
30 / 31																																			
31 / 29																																			
32 / 25																																			
TOTAL	1.9	7.3	18.6	19.2	16.8	15.0	9.0	5.2	3.5	1.4	1.2	.7	.2																			808	808		
																																		808	

Element (X)	Z _g '	Z _x	X	X _g	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3424148	50930	63.0	16.281	808	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb	3063016	49298	61.0	8.273	808			21.3	8.2	2.2		90
Wet Bulb	2342030	43266	53.5	5.595	808			.1				90
Dew Point	1844186	38254	47.3	6.403	808		1.9					90

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 2100-2300

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

ALL

[illegible]

PSYCHROMETRIC SUMMARY

JUN
MONTH

ALL

ALL
HOURS

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 516J HAHN AB DL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.		TOTAL Dry Bulb		TOTAL Wet Bulb		TOTAL Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
4/ 73																	.1																	1	1				
3/ 71																.4	.1																4	4					
2/ 69					.2	.2									.1																		5	5					
1/ 67				.1	.1	.7	.1	.2							.2																		13	13					
6/ 65			.2			.4	.1	.1	.5	.1																							12	12					
4/ 63		1.0	1.6	2.7	1.2	.5	.2	.1																									61	61	3				
2/ 61	.4	.7	1.7	2.6	.8	.1	.1																										54	54	17	3			
1/ 59	.1	2.2	5.0	2.5	.7	.1	.1																										90	90	31	17			
7/ 57	.4	6.3	3.3	2.5	.7																												111	111	76	34			
5/ 55	1.6	4.8	3.5	4.1	1.0																												124	124	140	70			
4/ 53	.2	4.7	4.1	2.7	.2																													100	100	107	96		
2/ 51	.2	4.4	3.6	1.9	.1																													86	86	110	86		
1/ 49	.6	3.9	3.1	.7																														70	70	128	107		
7/ 47	.4	5.3	2.0	.5																														68	68	118	99		
6/ 45		2.6	1.1																															31	31	70	159		
4/ 43		.2	.6																															7	7	26	83		
2/ 41																																				7	46		
1/ 39																																				4	14		
3/ 37																																					19		
1/ 35																																					2		
30/ 33																																					1		
2/ 31																																					1		
TOTAL	3.0	36.1	29.7	20.7	5.5	1.6	.7	1.3	.4	.2																								837	837	837	837		
																																				837	837		

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5377833	66261	79.2	12.579	837	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	93
Dry Bulb	2593287	46369	55.4	5.412	837			2.6	.1			93
Wet Bulb	2260717	43337	51.8	4.493	837							93
Dew Point	2008323	40775	48.7	5.123	837			.1				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JUL
MONTH

PAGE 1 0600-0800
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
78 / 77															.1														1	1						
76 / 75													.1																2	2						
74 / 73									.1	.1	.1																		3	3						
72 / 71						.1	.2	.4	.1	.1	.1																		9	9						
70 / 69				.1			.4	.4	.2	.1																			10	10						
68 / 67				.1	.7		.6		.2																				14	14						
66 / 65			.2	.6	1.1	.2	.1	.1	.1																				21	21						
64 / 63		.8	1.0	4.1	1.8		.4	.1	.2																				70	70	3					
62 / 61	.5	1.0	2.4	3.6	1.0		.5																						74	74	28	9				
60 / 59	.2	2.9	4.3	3.1	1.2			.1																					99	99	50	17				
58 / 57	.4	4.7	4.2	2.4	.4																								100	100	100	35				
56 / 55	1.0	6.9	3.7	3.6	.6																								132	132	118	80				
54 / 53	.7	4.5	2.6	1.9	.2																								84	84	144	104				
52 / 51	.7	4.4	3.9	1.3	.1																								88	88	118	136				
50 / 49	.6	3.6	2.5	.7																									62	62	116	106				
48 / 47		4.2	2.3																										54	54	79	86				
46 / 45	.8	.7																											13	13	59	152				
44 / 43		.1																											1	1	18	52				
42 / 41																																4	31			
40 / 39																																	18			
38 / 37																																	10			
36 / 35																																	1			
TOTAL	4.133	8.28	0.21	5	7.2	2.3	1.2	1.2	.5	.4																			837	837	837					
																													837		837					

Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_A	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						$\leq 0^\circ F$	$\geq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	Total
Dry Bulb	5298445	65707	78.512	9.52	837							
Wet Bulb	2704050	47338	56.6	5.658	837			4.3	.7			93
Dew Point	2341784	44118	52.7	4.421	837							93
	2077776	41502	49.6	4.883	837							93

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1 C9CG-1130
HOURS S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
44/ 83											.1	.2	.1					4	4																		
42/ 81										.1		.2					3	3																			
40/ 79								.1	.2	.2	.4						8	8																			
38/ 77						.1	.2	.4	.8	.4	.1	.1					18	18																			
36/ 75					.2	.5	.8	.5	.1	.1							19	19																			
34/ 73			.2	.1	1.0	.7	.1										18	18																			
32/ 71		.1	1.1	1.7	1.3	.1	.1	.1									38	38																			
30/ 69		.1	.7	1.7	1.3	1.1											41	41																			
28/ 67		.2	.1	1.9	1.9	.2											37	37	5																		
26/ 65		.5	.7	2.6	1.1	.2											43	43	13																		
24/ 63	1.1	1.0	4.1	3.1	1.7	.1											92	92	38	4																	
22/ 61	.2	.5	1.8	3.5	2.0	.8											74	74	85	18																	
20/ 59	.2	2.4	4.4	3.0	2.4	.6											109	109	93	32																	
18/ 57	.1	3.7	5.1	3.1	1.3	.1											110	110	119	56																	
16/ 55	.5	2.9	1.4	3.8	.7	.1											79	79	118	91																	
14/ 53	.4	1.8	1.7	1.8	.6												52	52	126	115																	
12/ 51	1.1	2.6	2.3	.7													56	56	97	156																	
10/ 49	1.3	1.3	.4														25	25	86	79																	
8/ 47	1.0	.4															11	11	42	67																	
6/ 45																			25	139																	
4/ 43																				39																	
2/ 41																				23																	
0/ 39																				15																	
38/ 37																				3																	
TOTAL	2.5	17.2	20.2	22.2	21.7	210.6	4.4	1.6	1.7	1.0	.7	.6	.1					837	837		837																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL

73-81

JUL

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
8 / 87													.1	.4	.1				5	5															
6 / 85													.1	.5	.1				6	6															
4 / 83									.1		.5	.1	.4	.2					11	11															
2 / 81								.1	.1	.8	.2	.1	.1						13	13															
0 / 79								.8	.6	.2	.4	.1							18	18															
7 / 77							.8	1.0	.7	.7									27	27															
6 / 75					.1	.5	2.4	1.1	.1	.2									37	37															
4 / 73				.4	.4	.7	2.6	1.3											45	45															
2 / 71				.2	.4	1.9	1.6	1.2											44	44															
0 / 69			.2	.5	1.1	1.4	2.4	.4											50	50															
8 / 67			.1	.6	2.4	2.2	1.1	.1											54	54	9														
6 / 65			.2	.5	1.7	1.4	1.0												40	40	30														
4 / 63		.5	1.1	5.3	2.5	3.6	1.0												114	114	70	8													
2 / 61	.1	.7	1.4	2.9	2.0	3.7	.5												95	95	100	7													
0 / 59		2.6	3.2	1.9	3.8	.6	.4												105	105	103	36													
8 / 57		1.0	2.3	2.4	1.0	.5													59	59	143	70													
5 / 55		1.8	.8	2.6	.5														48	48	89	87													
4 / 53		1.7	1.0	.5	.7														32	32	94	126													
2 / 51	.2	1.1	1.2	.1															22	22	105	121													
0 / 49		1.0	.4	.1															12	12	63	83													
8 / 47																					30	72													
4 / 45																					1	134													
2 / 43																						51													
0 / 41																						14													
8 / 39																						26													
3 / 37																						2													
TOTAL	.4	1.0	3.1	1.9	1.7	7.1	6.5	16.5	13.6	6.0	1.7	2.0	1.1	.6	1.3	.5				937		837													
																			837		837														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3480561	52313	62.5	15.886	837	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb	3568770	54228	64.8	8.090	837			34.4	18.0	5.3		93
Wet Bulb	2713891	47491	56.7	4.801	837			1.0				93
Dew Point	2172548	42424	50.7	5.159	837							93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0160 HAHN AB DL 73-61 JUL
STATION STATION NAME YEARS MONTH
PAGE 1 1500-1700
HOURS S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
89																									.2	.2	.1						5	5			
87																									.1	.6							6	6			
85																									.1	.1	.1						3	3			
83															.1	.7	.2								.1	.2	.2						14	14			
81																1.3	.2	.2	.1															16	16		
79																1.0	1.3	.5	.2	.1													26	26			
77											.2	1.0	.7	1.4	.6																		33	33			
75							.1	.5	1.9	2.2	.7	.2																					47	47			
73					.4	.1	.7	1.0	1.7	.8	.1																						40	40			
71					.2	1.4	2.4	1.2		.1																							45	45			
69					.4	1.1	3.0	2.6	.4																								62	62			
67					.2	1.2	1.7	1.7																									40	40	11		
65				.5	.4	2.6	2.4	.8																									56	56	31		
63		.4	.7	5.1	3.6	2.3	2.2	.5																									123	123	68	6	
61		.7	1.2	1.1	3.1	2.7	.6																										79	79	95	6	
59		1.1	3.0	1.4	3.5	.4	.5																										82	82	125	31	
57		1.6	1.6	2.3	.7	.1																											52	52	132	49	
55		2.2	1.7	2.4	.1	.5																											57	57	95	90	
53		1.2	.7	.2	.4																												21	21	95	115	
51	.1	.8	2.2																														26	26	105	132	
49		.4	.1																														4	4	57	87	
47																																			19	90	
45																																		4	130		
43																																				47	
41																																				27	
39																																				16	
37																																				8	
35																																				1	
33																																				1	
31																																				1	
TOTAL	.1	8.2	11.6	13.9	16.7	15.9	14.6	7.5	4.4	3.6	.7	.4	.7	1.2	.5																		837	837	837		

Element (X)	Z _X	Z _Y	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3215850	50054	59.8	16.3	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3678256	55042	65.8	8.3	837			37.4	21.1	6.4		93
Wet Bulb	2730335	47641	56.9	4.7	837			1.2				93
Dew Point	2135771	4263	50.3	5.1	837			.1				93

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 JUL 1967
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 1800-2000
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
8 / 87																																		3	3		
6 / 85																																		1	1		
4 / 83																																		8	8		
2 / 81																																		13	13		
0 / 79																																		14	14		
7 / 77																																		29	29		
6 / 75																																		29	29		
4 / 73																																		37	37		
2 / 71																																		30	30		
0 / 69																																		55	55		
6 / 67																																		37	37		4
6 / 65																																		61	61		20
4 / 63																																		105	105		56
2 / 61																																		93	93		78
0 / 59																																		96	96		107
7 / 57																																		77	77		135
5 / 55																																		44	44		119
4 / 53																																		51	51		86
2 / 51																																		42	42		101
5 / 49																																		8	8		88
0 / 47																																		4	4		35
4 / 45																																					8
4 / 43																																					
2 / 41																																					
4 / 39																																					
3 / 37																																					
3 / 35																																					
TOTAL	.5	1.1	8.1	5.3	17.2	16.6	16.8	10.2	4.1	2.9	1.4	.8	1.0	1.1	.2	.1																		837	837		837

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3637984	53472	63.9	16.292	837	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$
Dry Bulb	3439348	53238	63.6	7.970	837			28.4	14.9	4.2	93
Wet Bulb	2641703	46855	56.0	4.739	837			.4			93
Dew Point	2126744	41972	50.1	5.133	837						93

USAFETAC FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 F160
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
79																					.1												1	1		
77													.1				.1	.5	.4	.1												10	10			
75												.2	.1	.2	.4					.1												9	9			
73								.1	.1	1.0		.2	.2	.4						.1												18	18			
71					.1	.1	.5	1.3	.2											.1												20	20			
69			.2	.4	1.0	.5	1.0							.4																		28	28			
67					1.3	1.0	.4	.2																								24	24			
65		.2	.6	.8	2.2	1.9	.1																									49	49	5		
63		.6	2.0	3.3	1.9	2.6	.6																									93	93	12	3	
61		1.0	2.5	3.0	2.2	.7																										78	78	51	8	
59		3.1	4.4	3.2	3.8	.5																										126	126	81	26	
57		2.9	3.0	3.7	1.2	.6																										95	95	114	46	
55	.6	3.0	3.2	4.3	.6	.4																										101	101	126	83	
53		2.7	1.3	1.1	.4																											46	46	109	92	
51	.4	3.3	3.0	2.2																												74	74	124	98	
49	.4	2.2	1.8	1.1																												45	45	112	94	
47	.1	1.2	.5																													15	15	62	112	
45		.5	.1																													5	5	36	155	
43																																		5	44	
41																																			43	
39																																			24	
37																																			6	
35																																			1	
33																																			2	
TOTAL	1.4	20.7	22.7	23.2	14.7	8.7	4.7	.8	1.0	1.2	.7	.2																				837	837	837		

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4473813	59881	71.5	15.067	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2989853	49723	59.4	6.562	837			12.2	4.2	.1		93
Wet Bulb	2452754	45144	53.9	4.535	837							93
Dew Point	2077018	41466	49.5	5.216	837							93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL 73-81 JUL
STATION STATION NAME YEARS MONTH
PAGE 1 ALL
HOURS 5.0

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
89																									.0	.0	.0						5	5	
87																									.0	.1	.1						14	14	
85																									.0	.1	.0	.0					10	10	
83																	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				37	37		
81														.0	.0	.4	.1	.1	.0													45	45		
79														.3	.3	.1	.2	.0	.0													67	67		
77										.0	.3	.4	.5	.3	.1	.1																118	118		
75							.0	.2	.8	.6	.3	.2	.0	.0																		148	148		
73					.1	.1	.5	.8	.6	.2	.1	.0																				163	163		
71				.1	.3	.9	1.1	.5	.1	.1	.0																					202	202		
69			.1	.3	.8	1.2	1.3	.2	.1	.0																						270	270		
67			.1	.3	1.4	1.3	.6	.1	.0	.0																						252	252		
65		.1	.4	.6	1.8	1.3	.4	.1	.0																							314	314		
63		.7	1.2	3.9	2.5	1.7	.7	.1																								720	720		
61	.1	.9	2.0	2.7	1.9	1.4	.2																									610	610		
59	.1	2.3	4.0	2.7	2.4	.5	.2																									813	813		
57	.1	3.4	3.2	2.7	1.9	.2																										710	710		
55	.6	3.4	2.4	3.3	.7	.2																										697	697		
53	.2	2.8	2.5	1.6	.5																											478	478		
51	.4	2.8	2.7	1.7	.1																											468	468		
49	.2	2.2	1.6	.5																												299	299		
47	.1	1.8	.9	.1																												189	189		
45	.5	.3																														57	57		
43	.7	.1																														8	8		
41																																15	15		
39																																4	4		
37																																			
35																																			
33																																			
31																																			
TOTAL	1.8	20.8	20.9	19.8	13.4	9.4	6.4	2.9	1.7	1.3	.5	.3	.4	.2	.1																	6694	6694		
																																	6694	6694	
Element (X)	Σx'	Σx	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ		
Rel. Hum.	34760189	469753	70.2	16.377	6694																														
Dry Bulb	24923846	405004	60.5	7.922	6694																														
Wet Bulb	20070467	365013	54.5	4.994	6694																														
Dew Point	16820889	333775	49.9	5.161	6694																														

Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	34760189	469753	70.2	16.377	6694	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	24923846	405004	60.5	7.922	6694			147.9	67.5	17.6		744
Wet Bulb	20070467	365013	54.5	4.994	6694			3.3				744
Dew Point	16820889	333775	49.9	5.161	6694		.2					744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

GLOPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 1160 HAHN AB DL
STATION STATION NAME

73-81
YEARS

AUG
MONTH

PAGE 1 0000-0200
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
79												.1																1	1						
77												.1			.1													2	2						
73							.1																					1	1						
71				.1				.1		.1	.1																	4	4						
69				.4	.1	.5	.8	.4	.1																			19	19	1					
67				.8	.7	1.1	1.1	.1																				32	32		1				
65			.2	1.1	1.1	1.7	.8	.2																				43	43	9					
63			1.9	2.0	2.7	2.0	1.8	.2	.2																			92	92	12	5				
61	.2	2.4	3.2	1.6	2.7	1.7																						99	99	41	16				
59		3.1	3.8	3.0	2.3	.7	.2																					110	110	75	35				
57		2.4	4.2	2.3	1.2	.4																						87	87	108	45				
55	.2	4.2	3.5	3.3	1.1	.6																						108	108	89	65				
53	.4	2.2	6.6	2.4	.7																							102	102	141	106				
51	.2	2.0	3.7	.7	.2																							58	58	119	80				
49	.4	1.2	2.6	.4	.1																							39	39	113	115				
47	.4	.7	1.1	.4																								21	21	67	112				
45		.7	1.6																									19	19	29	119				
43																															26	42			
41																														7	37				
39																																28			
37																																14			
35																																6			
33																																3			
TOTAL	1.8	21.0	34.6	18.6	13.7	8.0	1.4	.6	.1																			837	837	837					
																												877		837					

Element (X)	Σx^2	Σx	\bar{x}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4792452	62476	74.6	12.425	837	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$
Dry Bulb	2848739	48597	58.1	5.696	837			6.6	.4		93
Wet Bulb	2411699	44743	53.5	4.879	837			.1			93
Dew Point	2395042	41604	49.7	5.690	837			.1			93

USAFETAC FORM 0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1 6167
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

AUG
MONTH

PAGE 1 C320-0500
HOURS S. T.

PSYCHROMETRIC SUMMARY

73-81

AUG
MONTH

PAGE 1 C600-0800

HOURS S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0167 HAHN AB OL 73-81 AUG
STATION STATION NAME YEARS
PAGE 1 0900-1100
HOURS S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point		
8 / 87																	.1															1	1		
7 / 79													.1	.1																		2	2		
7 / 77										.5	.1	.5	.6	.2	.1																17	17			
6 / 75						.5	.5	.2	.7	.2					.1																19	19			
4 / 73					.5	.6	.8	1.0	.5																						28	28			
3 / 71				.4	1.3	.8	1.7	.2	.4	.1																					41	41			
1 / 69			.2	.7	1.6	1.1	1.3	.4																							44	44			
6 / 67			.5	.1	1.3	1.4	.6	.4	.1																						37	37			
6 / 65				1.1	1.1	3.7	2.3	.5	.5																						70	70			
4 / 63		1.8	2.7	5.5	3.6	1.9	.6	.2																							131	131			
1 / 61			1.7	2.3	2.4	2.6	1.2	.1																							86	86			
1 / 59	.1	2.0	3.5	3.7	1.9	.5																									92	92			
1 / 57		2.2	3.7	3.9	.8	.4																									92	92			
5 / 55		2.2	2.2	2.3	.6	.1																									61	61			
4 / 53	.4	1.7	3.7	.8	.6																										60	60			
2 / 51		1.1	2.2	1.3																											38	38			
5 / 49	.4	.4	.6	.5																											15	15			
4 / 47			.2																												2	2			
4 / 45			.1																												1	1			
4 / 43																																			
2 / 41																																1			
4 / 39																																			
3 / 37																																			
TOTAL	.8	12.9	22.2	22.2	5.1	8.4	11.5	6.	3.5	1.3	.5	.2																			837	837			
																																837	837		

Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4119394	57572	68.8	13.8	837	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	3256119	51903	62.0	6.7	837			21.0	7.4	.3		93
Wet Bulb	2629973	46741	55.8	4.8	837			1.7				93
Dew Point	2208885	42753	51.1	5.4	837							93

Element (X)	Z _X	Z _X	X	X	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4119394	57572	68.8	13.8	837	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	3256119	51903	62.0	6.7	837			21.0	7.4	.3	93
Wet Bulb	2629973	46741	55.8	4.8	837			1.7			93
Dew Point	2208885	42753	51.1	5.4	837						93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL

73-81

AUG
MONTH

PAGE 1 1200-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
89																		.1	.1														2	2			
87																		.1															1	1			
83																		.2	.1														3	3			
81													.2	.1	.2				.4	.1													9	9			
79									.1	.5	.8	1.7	.8	.4					.4		.1												37	37			
77								.6	.6	1.3	1.7	.5								.4													42	42			
75						.5	1.1	1.2	.8	.4	.2																						35	35			
73				.1	.4	2.2	2.2	1.6	.6	.2	.1																						61	61			
71					1.0	1.2	1.4	1.9	1.0																								54	54		2	
69			.2	.6	1.6	2.5	2.3	2.0	.2																								81	81		6	
67			.4	.2	1.6	2.0	.8	.4	.1																								46	46		20	
65		.1	1.0	.4	3.5	1.9	.7	.1																									64	64		34	
63		.8	1.0	3.8	3.3	2.5	.6																										101	101		80	
61		.6	2.5	2.4	2.2	2.4																											84	84		95	
59		1.6	2.0	1.1	2.6	.5																											65	65		107	
57		.8	2.0	2.3	.7	.1																											50	50		141	
55		2.0	1.3	3.0	.7	.6																											64	64		114	
53		.4	1.0	.6	.7																												22	22		84	
51	.7		.6	.5																													15	15		81	
49			.1																														1	1		44	
47																																			23	97	
45																																		6	106		
43																																				44	
41																																				41	
39																																				4	
37																																				6	
35																																				4	
33																																				1	
T TPL		6.3	12.1	14.9	16.9	17.7	10.5	9.1	6.0	2.2	1.1	.5	.1																				837	837		837	
																																		837	837		

Element	X	Z ₁	Z ₂	X	Z ₁	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	32°		50.628	65.715	143	837	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	36°		55.198	65.9	7.685	837			41.2	21.1	5.0		93
Wet Bulb	27°		48.67	57.4	4.951	837			3.1				93
Dew Point	22.122		42.774	51.1	5.609	837							93

USAFETAC FORM 0-26.5 (OL A) 10-64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element	1	2	3	4	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum	32	50.28	65.71	5.143	837	0 F	32 F	67 F	73 F	80 F	93 F
Dry Bulb	36	55.98	68.9	7.685	837			41.2	21.1	5.0	
Wet Bulb	27	48.67	57.4	4.951	837			3.1			
Dew Point	22.122	42.774	51.1	5.609	837						

PSYCHROMETRIC SUMMARY

73-81

AUG
MONTH

PAGE 1 1500-1700
HOURS 1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

PAGE 1 1800-2000
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
87 / 87										.1								1	1																
82 / 81									.1	.2	.2	.4	.2					10	10																
77 / 79						.1			.4	.1	.1	.5						10	10																
71 / 77						.5	.4	.7	.5	1.2	.1							28	28																
66 / 75						.7	.7	1.1	1.0	.2	.2	.1						34	34																
64 / 73				.2	.4	.6	1.3	.7	.2									29	29																
62 / 71				.1	.5	1.2	1.8	.8	.7	.5								47	47																
61 / 69			.1	.1	1.6	1.2	2.6	1.4	.4	.2								64	64	2															
64 / 67			.1	.1	1.9	1.9	1.2	.8	.2	.1								54	54	10															
66 / 65		.4	1.0	.5	2.7	2.7	.8	.2	.1									65	65	21															
64 / 63		.8	2.5	5.3	4.4	2.5	.7	.5										140	140	36	9														
61 / 61	.1	.4	2.3	2.2	2.5	1.7		.1										77	77	82	22														
59 / 59		.8	2.4	1.9	3.3	.2												73	73	116	30														
58 / 57		1.2	2.7	2.5	.8	.2												63	63	134	51														
56 / 55	.4	1.6	2.9	2.4	.2	.2												64	64	131	95														
54 / 53	.2	.7	2.0	1.0	1.7													41	41	103	80														
52 / 51	.2	.4	.8	.8														19	19	104	112														
51 / 49		.6	.8	.5														16	16	54	77														
48 / 47		.2																2	2	26	135														
46 / 45																				16	116														
44 / 43																				2	47														
42 / 41																					23														
41 / 39																					20														
39 / 37																					11														
36 / 35																					8														
34 / 33																					1														
TOTAL	1.0	6.8	17.9	17.6	19.4	13.1	9.6	6.9	3.5	2.7	1.2	.4						837	837	837															
																		837		837															

Element (X)	Σ x'	Σ x	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3532199	52807	63.115	4.89	837	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3467490	53472	63.9	7.289	837			30.8	12.4	2.2		93
Wet Bulb	2656214	46986	56.1	4.717	837			1.3				93
Dew Point	2134673	42713	50.2	5.560	837							93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL 73-81

AUG
MONTH

PAGE 1 2100-2300
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point				
79											.1																		1		1					
75										.2	.1	.1	.2																6		6					
73										.1	.2	.7	.2																11		11					
71					.5	1.2	.2	.7	.6																				27		27					
69			.7	.4	.2	1.6	1.0	.7																					38		38					
67			.1	.4	.7	1.2	.5	.2			.1			.1															27		27					
65			.2	.1	1.3	1.7	.6	.1	.4																				37		37	16				
63	.1	1.8	1.2	4.7	3.1	2.6	.8	.5																					124	124	16		6			
61	.4	.6	4.5	2.3	2.4	2.0	.2																						104	104	34		25			
59		2.0	4.1	4.8	2.6	1.0	.5	.1																					126	126	72		25			
57	.1	1.9	2.6	2.6	1.2	.6																								76	76	129		31		
55	.2	2.7	4.3	4.4	.6																									103	103	119		72		
53		1.3	3.8	1.4	.5																									59	59	128		87		
51	.2	1.3	1.2	1.4	.4																									38	38	124		95		
49	.4	1.1	1.7	.7	.1																									33	33	104		101		
47	.1	.4	1.9	.2																										22	22	46		120		
45		.1	.4	.1																										5	5	33		129		
43																																	14		57	
41																																	2		42	
39																																			24	
37																																			14	
35																																			8	
33																																			1	
TOTAL	1.6	13.3	26.8	24.0	14.3	11.2	4.7	3.2	.8	.1																							837	837	837	
																																		837	837	

Element (X)	Z _g ¹	Z _g	X	s _x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4263189	58587	70.0	13.934	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F
Dry Bulb	3020245	50021	59.8	6.077	837			12.2	2.0	.1	93
Wet Bulb	2462864	45232	54.0	4.704	837						93
Dew Point	2070212	41360	49.4	5.622	837						93

USAFETAC FORM 0-26-5 (O.L.A.) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160
STATION

HAHN AB DL

STATION NAME

73-81

YEARS

AUG

MONTH

PAGE 1

ALL

HOURLY

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
89																		.0	.0														4	4			
87																		.0	.0														4	4			
85																				.0													1	1			
83																		.0	.1	.1													12	12			
81												.1	.1	.1	.1	.1	.1	.1	.2	.1			.1										48	48			
79										.1	.1	.2	.3	.3	.2	.1	.1	.1	.1	.1	.0					.0							85	85			
77										.2	.2	.5	.5	.4	.1	.1	.1	.1	.1	.1	.1												130	130			
75								.1	.4	.6	.5	.3	.1	.1	.0								.0										140	140			
73					.1	.2	.6	.8	.6	.2	.1	.0																					186	186			
71			.0	.1	.7	.6	1.0	.8	.4	.1																							244	244		3	
69			.2	.5	.9	1.2	1.4	.7	.1	.0																							345	345		20	
67			.3	.4	1.2	1.2	.5	.3	.1	.1																							263	263		59	
65		.1	.9	.5	2.1	1.4	.5	.1	.1																								378	378		136	
63	.7	1.2	1.8	3.9	2.6	2.0	.5	.2																									808	808		304	
61	.1	1.7	3.0	2.1	2.2	1.6	.1	.0																									719	719		466	
59	.0	2.5	3.7	2.6	2.8	.5	.1	.0																									775	775		740	
57	.0	2.0	3.2	2.5	1.0	.3																											602	602		967	
55	.2	3.0	3.0	3.0	.6	.2																											681	681		824	
53	.3	1.9	3.1	1.3	.5	.0																											473	473		932	
51	.3	1.5	2.4	1.1	.2																												372	372		865	
49	.2	1.0	1.7	.3	.0																												213	213		664	
47	.3	.3	1.0	.1																													114	114		377	
45	.1	.5	.8	.0																													89	89		197	
43	.0	.1																															8	8		97	
41	.0	.0																															2	2		36	
39																																			8	165	
37																																			1	84	
35																																				41	
33																																				10	
31																																				1	
TOTAL	1.4	15.7	24.4	18.7	15.1	10.3	5.8	4.1	2.2	1.3	.7	.2	.0																				6696	6696		6696	

Element (X)	Z _X '	Z _X	X	X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	33522796	462182	69.015	5.62	6696	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	25438777	409511	61.2	7.672	6696			162.4	67.8	14.9		744
Wet Bulb	20404455	367977	55.0	5.220	6696			9.1				744
Dew Point	17047488	335738	50.1	5.648	6696		.1	.1				744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 616C HAHN AB DL 73-81 SEP
STATION STATION NAME YEARS MONTH
PAGE 1 0000-0200
HOURS 11 51

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
71										.1	.1																						2	2			
69								.9																									7	7			
67					.4	.1																											4	4			
65				.2	.7	.2	.2																										12	12			
63	.1	.6	.7	1.1	.4	.2																											26	26	2	1	
61		1.4	1.9	2.8	.1																												50	50	23	4	
59		2.2	3.0	1.4	.4																												56	56	28	11	
57	.7	1.1	2.6	2.1	.5																												57	57	53	35	
55	.5	4.4	4.3	2.3	1.6																												107	107	73	40	
53	1.2	3.1	7.9	3.3	.4																												129	129	73	65	
51	.4	3.8	3.8	1.9	.1																													81	81	104	82
49	.1	4.2	6.0	.2																														86	86	117	79
47	.2	3.7	3.5	.6																														65	65	113	98
45	.7	5.7	1.9	.9	.1																													75	75	91	121
43	.5	1.5	1.0	.4																														27	27	64	89
41	.1	1.1	.9	.4																														20	20	34	92
39		.6																																5	5	19	39
37		.1																																1	1	13	12
35																																				3	19
33																																					14
31																																					4
29																																					2
27																																					3
TOTAL	4.7	33.6	37.7	18.5	4.8	.6	.1																										810	810	810	910	

Element (X)	Σx	Σx^2	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5287.67	64911	80.11	10.268	810	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2316297	43041	53.1	6.010	810			1.4				90
Wet Bulb	2039539	40401	49.9	5.495	810							90
Dew Point	1818751	38069	47.0	6.044	810		1.0					90

PSYCHROMETRIC SUMMARY

YF 495

PAGE 1 0600-0800
HOURS S. T. I.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL 73-81 SEP
STATION MONTH
PAGE 1 0900-1100
HOURS S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
81																	.1																1	1		
79																.1																	1	1		
77													.2	.2																			4	4		
75										.4	.4																						6	6		
73									.2	.2																							4	4		
71								.5	.1																								5	5		
69					.5	.9	.1																										12	12		
67				.1	.7	1.0	.4	.2																									20	20		1
65				.6	.6	1.2	.2	.2																									24	24		9
63			1.0	1.7	2.7	1.2	1.5	.2	.1																								69	69		16
61			.6	2.2	2.5	1.7	1.9	.1																									73	73		38
59	.1	1.6	5.1	3.0	2.2	.5	.2																										103	103		40
57	.2	1.7	3.1	3.3	1.0	.4																											79	79		63
55	.2	2.2	3.5	2.5	1.0	.1																											77	77		91
53	.1	3.1	4.3	1.5	1.1	.1																											83	83		101
51	.5	3.1	4.3	.7	.7	.1																											77	77		114
49	.5	2.1	2.6	.9	.6																												54	54		103
47	.4	2.6	2.2	.9																													49	49		90
45	.1	3.2	2.6	.4																													51	51		63
43	.1	1.2	.4	.1																													15	15		44
41	.1	.1																															2	2		30
39		.1																															1	1		5
37																																				
35																																				2
33																																				
31																																				
29																																				
TOTAL	2.5	22.7	32.7	20.2	12.7	6.4	2.1	.5	.1																									810	810	

Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	4662146	60620	74.8	12.449	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	2610961	45653	56.4	6.843	810			5.9	1.8	.2	
Wet Bulb	2203313	42101	51.9	5.607	810			.1			
Dew Point	1905160	38980	48.1	6.019	810		.3				

USAFETAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS 5-7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
4/ 83										.4								3	3																
12/ 81									.6									5	5																
8/ 79									.9									7	7																
78/ 77								.5	.5									8	8																
76/ 75						.4	.2	.5										9	9																
74/ 73				.4	.4	.6	1.2											21	21																
72/ 71					1.1	.7	.5											19	19																
7/ 69			.2	.5	1.7	1.2	1.0	.4										41	41																
68/ 67					1.0	1.0	.7	.5	.1									27	27		9														
66/ 65			.5	.6	2.3	2.3	.9	.1										55	55		27														
64/ 63		.9	1.9	4.9	2.5	3.5	1.6	.4										126	127	24	5														
62/ 61		.6	.4	2.8	2.0	1.6	.6											65	65	54	12														
6/ 59		1.5	2.5	2.7	3.1	1.4	.6											95	95	77	26														
58/ 57	.1	.7	1.6	3.5	1.4	.5												63	63	75	63														
56/ 55		.7	2.6	4.1	2.1	.6	.1											83	83	88	66														
54/ 53		1.2	2.7	2.3	1.2	.5												65	65	96	65														
52/ 51		1.5	2.6	.4	.5													40	40	111	72														
50/ 49	.4	.4	.4	.5	.6													18	18	91	72														
48/ 47	.1	1.7	.9	.9														29	29	80	82														
46/ 45	.2	1.4	1.2	.2														25	25	32	141														
44/ 43	.1	.4	.1															5	5	35	69														
42/ 41																				9	56														
40/ 39																				1	32														
38/ 37																					18														
36/ 35																					11														
34/ 33																					18														
32/ 29																					1														
TOTAL	1.011	0.17	6.23	9.19	9.14	.3	8.0	3.1	.9	.4								809	810	809															

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3753622	53950	66.7	13.888	809	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	2987775	48805	60.3	7.632	810			15.6	5.9	1.7		90
Wet Bulb	2367571	43513	53.8	5.799	809			1.0				90
Dew Point	1939036	39272	48.5	6.354	809		.1					90

PSYCHROMETRIC SUMMARY

SEP
MONTH

HOURS : L. S. T.

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

SEP

YEARS

HOURS .. 5. 9.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-	18-19	20-	21-	22-	23-	24-	25-	26-	27-	28-	29	30-	31-	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point							
76 / 75							.1																	1	1									
74 / 73							.4																	4	4									
72 / 71						.6																		5	5									
70 / 69				.1	.5	.1																		6	6									
68 / 67				.1	.2	.2																		5	5									
66 / 65			.1	.1	.7	.1																		9	9									
64 / 63		.4	1.0	2.8	1.0	.2																		44	44	3								
62 / 61		1.1	2.8	3.0	.6	.2																		63	63	27	1							
60 / 59	.1	1.7	3.6	1.5	1.4	1.0																		75	75	24	14							
58 / 57	.6	1.6	2.0	4.6	1.2	.7																		87	87	80	36							
56 / 55	.4	3.7	5.4	3.8	.5																			112	112	62	42							
54 / 53	.4	2.0	3.7	3.1	.5																			78	78	70	81							
52 / 51	.2	2.5	4.8	2.3	.4																			83	83	122	65							
50 / 49	.1	2.7	4.4	.5																				63	63	113	46							
48 / 47		3.5	4.2	.7	.6	.1																		74	74	109	96							
46 / 45	.9	2.6	2.0	1.1	.5																			57	57	88	151							
44 / 43	.5	1.5	1.5																					28	28	48	99							
42 / 41	.7	.6	.6																					16	16	40	87							
40 / 39																										17	37							
38 / 37																										7	14							
36 / 35																											10							
34 / 33																											21							
32 / 31																											4							
30 / 29																											3							
28 / 27																											3							
TOTAL	4.0	23.8	36.2	23.8	8.1	3.6	.5																		810	810	810							
																								810		810								

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL 73-81 OCT
STATION MONTH
PAGE 1 0600-0800
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
59			.6	.1														6	6																
57		.2	.7															8	8																
55	.2	2.0	.5	.1														24	24	10	4														
53	.1	2.0	1.3															29	29	30	5														
51	.4	3.6	2.2	.2														53	53	32	30														
49	.1	3.5	1.9															46	46	43	36														
47	.4	5.9	2.6															74	74	71	32														
45	1.2	10.6	2.7															122	122	80	103														
43	1.6	7.3	1.9															90	90	110	74														
41	.8	9.0	1.6															95	95	77	106														
39	1.3	9.7	.6	.2														99	99	96	88														
37	3.8	4.8	.7															78	78	122	110														
35	.7	4.1	1.9															56	56	58	88														
33	1.1	1.1	.8	.4														28	28	54	51														
31	.2	2.2	.1	.1														22	22	34	28														
29	.1	.5																5	5	15	30														
27	.2																	2	2	5	28														
25																					18														
23																					1														
19																					3														
17																					2														
TOTAL	12.3	66.3	27.2	1.2														837	837	837	837														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6380792	72766	86.9	8.093	837	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	1603468	36254	43.3	6.297	837		3.2					93
Wet Bulb	1479175	34820	41.6	6.052	837		6.0					93
Dew Point	1351021	33177	39.6	6.558	837		12.2					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6380792	72766	86.9	8.093	837	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1603468	36254	43.3	6.297	837		3.2					93
Wet Bulb	1479177	34820	41.6	6.052	837		6.0					93
Dew Point	1351021	33177	39.6	6.558	837		12.2					93

PSYCHROMETRIC SUMMARY

QCT
MONTH

PAGE 1 0900-1100
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/ 63				.7	.4													9	9																
27/ 61		.1	.5	.5														9	9																
7/ 59			2.2	.8	.2													27	27	1															
55/ 57		.6	1.3	.6	.2													23	23	14	1														
56/ 55		2.6	1.7	.7	.1													43	43	29	5														
54/ 53	.1	1.0	2.0	1.0	.1													35	35	40	31														
52/ 51	.4	3.0	2.4	.5	.2													54	54	41	40														
51/ 49	.2	3.0	3.9	.5														64	64	54	30														
48/ 47	.2	5.6	3.2	.4														79	79	81	47														
40/ 45	.8	9.1	4.1	.5	.1	.1												123	123	97	120														
44/ 43	.7	6.1	3.9	.1	.1													92	92	100	70														
42/ 41	1.2	10.2	2.4	.4														118	118	107	126														
41/ 39	1.6	5.5	1.2	.2														71	71	104	83														
38/ 37	.8	3.5	1.0	.2	.2													48	48	71	96														
26/ 35	.6	1.8	.5	.1														25	25	47	74														
34/ 33	.7	.5	.1	.1														12	12	33	51														
22/ 31	.2	.2																4	4	12	18														
21/ 29		.1																1	1	6	16														
24/ 27																					18														
21/ 25																					3														
24/ 23																					2														
22/ 21																					2														
21/ 19																					1														
17/ 17																					3														
TOTAL	7.652	830.3	7.3	1.8	.1													837	837	837	837														

Element (X)	Z _X ¹	Z _X	X̄	s _X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5917652	69870	83.510	0.091	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1812766	38540	46.3	6.695	837		.6					93
Wet Bulb	1626168	36536	43.7	6.122	837		2.0					93
Dew Point	1454278	34456	41.2	6.549	837		7.0					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6163
STATION

HAHN AB DL
STATION NAME

73-81
YEARS

OCT
MONTH

PAGE 1 1200-1400
HOURS L S Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
72 / 71								.1										1	1																
71 / 69						.5	.4	.1										8	8																
69 / 67							.2											2	2																
67 / 65			.2	.2	.8	.4												14	14																
64 / 63			.1	2.3	.8	.2												29	29	1															
62 / 61			.6	1.3	.4	.6												24	24	9	1														
59 / 59		.2	1.4	1.0	1.3			.1										34	34	6	1														
57 / 57		.6	1.0	2.4	.6	.1												39	39	39	6														
55 / 55		1.3	1.4	1.7	.1	.2												40	40	35	17														
54 / 53		1.6	2.3	3.0	1.0			.1										66	66	31	27														
52 / 51	.2	1.8	3.9	1.9	.5			.1										71	71	69	57														
50 / 49		2.9	2.3	.7	.1	.1												51	51	68	29														
48 / 47	.1	3.9	3.8	2.5	.5	.2												93	93	86	48														
46 / 45	.2	6.6	7.5	2.0	.4	.1												141	141	99	137														
44 / 43	.6	4.1	4.2	.1	1.0													83	83	106	74														
42 / 41	.6	6.0	1.6	.6	.5													77	77	115	93														
40 / 39	.2	3.2	1.4															41	41	80	109														
38 / 37	.8	1.0	.1															16	16	48	86														
36 / 35	.4	.2																5	5	34	76														
34 / 33		.1																1	1	7	23														
32 / 31		.1																1	1	2	17														
30 / 29																					10														
28 / 27																					13														
26 / 25																					3														
24 / 23																					7														
22 / 21																					1														
20 / 19																					2														
TOTAL	3.233	6.31	9.19	7	8.4	2.6	.6											837	837	837	837														

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	5104608	64518	77.1	12.537	837	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$
Dry Bulb	2082268	41302	49.3	7.272	837		.1	1.2			93
Wet Bulb	1783769	38284	45.7	6.184	837		.2				93
Dew Point	1523157	35259	42.1	6.729	837		5.9				93

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 0160 HAHN AB DL 73-81

YEARS

OCT
MONTH

PAGE 1 1500-1700
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
72 / 71													.2					.1															3	3		
71 / 69												1.0	.1	.1																			10	10		
69 / 67						.2				.5																							6	6		
67 / 65					.1	.4				.1			.1																			6	6			
65 / 63			.4	3.0	.8	.6																										40	40			
63 / 61			.6	1.2	.5	.4																										22	22		7	
61 / 59			1.0	1.4	.8	.1																										28	28	15	2	
59 / 57		1.0	1.3	1.9	.2	.2																										39	39	36	4	
57 / 55		.8	1.6	2.7	.4	.1																										47	47	35	17	
55 / 53		2.0	2.5	3.0	1.0	.1	.1						.1																			73	73	38	38	
53 / 51	.1	1.8	3.0	1.6	.5							.1																				59	59	69	29	
51 / 49		3.5	2.4	1.2	.5																											63	63	74	49	
49 / 47		1.8	4.3	2.6	.5	.6																										82	82	78	57	
47 / 45	.6	7.0	5.1	3.6	1.0	.1	.1						.1																			147	147	83	123	
45 / 43	.7	4.4	3.3	.6	.7	.1																										83	83	129	69	
43 / 41	.2	6.6	1.7	.8																												78	78	103	112	
41 / 39	.4	2.7	.4	.1																												30	30	84	103	
39 / 37	.5	1.1	.2																													15	15	51	80	
37 / 35		.2																														2	2	25	53	
35 / 33	.4	.1																														4	4	9	38	
33 / 31																																			1	23
31 / 29																																				10
29 / 27																																				12
27 / 25																																				11
25 / 23																																				4
23 / 19																																				1
19 / 17																																				2
TOTAL	2.9	33.1	27.7	24.1	7.2	3.9	.8	.1	.1																								837	837	837	

Element (X)	Σ X'	Σ X	Σ	Σ A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.	4951146	63454	75.8	12.965	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2114529	41617	49.7	7.358	837			2.1				93
Wet Bulb	1795532	38418	45.9	6.202	837			.1				93
Dew Point	1516197	35161	42.0	6.842	837		7.0					93

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4951146	63454	75.8	12.965	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2114529	41617	49.7	7.358	837			2.1				93
Wet Bulb	1795532	38418	45.9	6.202	837			.1				93
Dew Point	1516197	35161	42.0	6.842	837			7.0				93

PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1-6160
STATION

HAHN AB DL

73-81

NOV
MONTH

PAGE 1

0600-0000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
56/ 55			.4		.2													5	5																
54/ 53		.1	.7	.1														8	8	1															
52/ 51		.4																3	3	9	1														
50/ 49		1.5	.6															17	17	9	5														
48/ 47	.5	2.2	1.6	.2														37	37	25	14														
46/ 45	.7	5.3	1.1	.5														62	62	42	40														
44/ 43	1.1	3.1	1.4															45	45	54	37														
42/ 41	1.4	5.9	1.7															73	73	46	65														
40/ 39	1.6	8.3	1.6															93	93	65	49														
38/ 37	2.5	4.9	.9															67	67	99	62														
36/ 35	1.4	9.0	.6															89	89	80	74														
34/ 33	3.2	5.7	.5															76	76	105	102														
32/ 31	2.6	4.3	1.0															64	64	81	86														
30/ 29	.6	5.9	.2															55	55	56	55														
28/ 27	2.2	5.3	.2															63	63	58	75														
26/ 25	1.4	1.5	.2															25	25	40	41														
24/ 23	.1	1.0	.4															12	12	14	40														
22/ 21	.1	1.2																11	11	8	20														
20/ 19	.4	.2																5	5	16	16														
18/ 17																				2	5														
16/ 15																					9														
14/ 13																					3														
12/ 11																					11														
TOTAL	19.865	9.13	2	.9	.2													810	810	810															
	</																																		

PSYCHROMETRIC SUMMARY

[illegible]

73-51

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1275-1420

HOURS (L, S, T,)

[illegible]

PSYCHROMETRIC SUMMARY

1 6160
STATION

HAHN AB DL

73-81

NOV
MONTH

PAGE 1 2100-2300
HOURS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

73-81

NOV
MONTH

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
59			.0	.0														3	3																
57			.0	.0	.0													7	7																
55	.0	.3	.2	.1	.2													47	47	6	1														
53		.3	.6	.4	.0													81	81	31	16														
51	.1	.8	.7	.2														112	112	59	23														
49	.2	1.4	1.6	.1	.1													217	217	137	49														
47	.4	2.5	1.8	.4	.0													330	330	274	131														
45	.6	4.8	2.4	.3														525	525	356	360														
43	.7	3.4	1.8	.4														411	411	450	323														
41	.8	6.9	3.5	.1														732	732	460	454														
39	1.1	6.9	3.8	.1														776	776	598	434														
37	2.2	6.2	1.7	.2														672	672	773	600														
35	.7	8.4	1.9	.1														714	714	765	689														
33	1.5	4.4	1.7	.2														508	508	828	749														
31	1.2	3.3	1.5	.1														391	391	542	621														
29	.4	4.1	.6	.1														342	342	386	447														
27	1.4	3.6	.9															381	381	387	541														
25	.5	.7	.5															110	110	207	324														
23	.1	.7	.3															73	73	89	284														
21	.1	.4																32	32	74	139														
19	.1	.1																12	12	50	102														
17																				4	51														
15																					44														
13																					35														
11																					54														
9																					5														
TOTAL	12.4	59.0	25.5	2.8	.2													6476	6476	6476															
																		6476		6476															

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\leq 67^\circ \text{F}$	$\leq 73^\circ \text{F}$	$\leq 80^\circ \text{F}$	$\leq 93^\circ \text{F}$	
Rel. Hum.	46357233	544209	84.0	9.823	6476							
Dry Bulb	9846217	248467	38.4	6.955	6476		149.1					720
Wet Bulb	8912285	236279	36.5	6.710	6476		193.3					720

PSYCHROMETRIC SUMMARY

1 6160	HAHN AB DL
STATION	STATION NAME

73-81

YEARS

DEC
MONIN

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
44 / 53		.1	.1															2	2																
42 / 51		.2	.4															5	5																
5 / 49		.5	.4	.2														9	9	1															
48 / 47		1.1	.8	.6														21	21	10	6														
48 / 45	.1	3.8	2.0															50	50	17	14														
44 / 43	.2	1.9	1.3															29	29	49	18														
42 / 41	.4	2.6	1.6	.4														41	41	32	28														
42 / 39	1.4	3.3	1.4	.2														54	54	50	38														
36 / 37	1.0	4.7	.7															53	53	48	49														
36 / 35	1.1	8.5	2.3															99	99	64	58														
34 / 33	.4	8.8	2.0															94	94	95	46														
32 / 31	.6	9.0	2.0															97	97	119	78														
30 / 29	.5	7.0	.7	.1	.1													71	71	94	89														
28 / 27	1.8	4.4	.2	.1														55	55	69	112														
26 / 25	.4	4.7	.2	.1														45	45	32	78														
24 / 23	.2	3.7	.4															36	36	44	41														
22 / 21	.2	2.7																25	25	39	22														
20 / 19	1.1	1.8	.7															30	30	29	36														
16 / 17	.1	.7																7	7	20	48														
16 / 15	.4	.5																7	7	10	22														
14 / 13	.6																	5	5	6	17														
12 / 11	.1																	1	1	3	11														
10 / 9	.1																	1	1	1	9														
8 / 7																					7														
6 / 5																					8														
4 / 3																					1														
TOTAL	9.970	8.173	1.8	.1															837		837														
																		837		837															

Element (X)	$\Sigma X'$	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5788922	69162	82.6	9.409	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	983957	27941	33.4	7.828	837		42.2					93
Wet Bulb	887721	26535	31.7	7.553	837		51.8					93
Dew Point	743735	23889	28.5	8.604	837		64.3					93

PSYCHROMETRIC SUMMARY

73-81

YEARS

DEC
MON 11

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
56 / 55						.1												1	1																
54 / 53			.2		.1													3	3																
52 / 51		.1		.1	.4													5	5																
50 / 49			.5	.1														5	5	3															
48 / 47	1.0	1.4	.1	.1														22	22	4	1														
46 / 45	3.0	2.8	.2															50	50	33	8														
44 / 43	3.0	1.1	.1															35	35	27	28														
42 / 41	4.8	1.2																50	50	49	25														
40 / 39	4.6	.6	.2	.2														47	47	48	38														
38 / 37	.6	4.4	1.6	.1														56	57	50	51														
36 / 35	.5	6.5	1.1															67	67	55	66														
34 / 33	.6	7.8	3.4															98	98	74	56														
32 / 31	.8	7.5	1.8															85	85	124	36														
30 / 29	.2	8.9	.7															82	83	92	73														
28 / 27	2.3	6.6	1.3	.4														88	88	91	123														
26 / 25	.5	1.9	.6															25	25	47	81														
24 / 23	.6	3.8	.4															40	40	28	71														
22 / 21	.5	2.6	.7															32	32	37	38														
20 / 19	.7	1.7																20	20	29	26														
18 / 17		1.4																12	12	27	25														
16 / 15		.5																4	4	6	23														
14 / 13		.2																2	2	5	22														
12 / 11		.2																2	2	2	17														
10 / 9		.2																2	2	2	17														
8 / 7		.1																1	1	1	1														
6 / 5		.1																1	1	1	5														
4 / 3																					3														
2 / 1																					1														
TOTAL	7.371	0.019	3	1.3	1.1													835	837		835														

Element (X)	Σ X ¹	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5676850	68358	81.9	9.462	835	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	979790	27850	33.3	7.971	837		44.1					93
Wet Bulb	873663	26257	31.4	7.586	835		54.8					93
Dew Point	725205	23551	28.2	8.549	835		62.6					93

PSYCHROMETRIC SUMMARY

1 6160 HAHN AB DL
STATION

73-81

DEC
MONTH

PAGE 1 1200-1400
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
59 / 59						.1	.1											2	2						
58 / 55			.1			.1												2	2						
54 / 53						.5	.1											5	5						
52 / 51			.4	.2	.1													6	6	2					
51 / 49		.4	.2	.1														6	6	3					
48 / 47		1.2	1.3	.1														22	22	8	1				
46 / 45		3.8	2.5	.4														56	56	36	16				
44 / 43		3.1	1.4															38	38	31	28				
42 / 41		5.6	2.7	.2														72	72	56	27				
41 / 39		3.7	1.8	.6														51	51	54	52				
38 / 37	.2	4.1	2.4															56	56	50	48				
36 / 35	.1	5.4	2.4															66	66	58	58				
34 / 33	.2	8.0	3.5															98	98	77	58				
32 / 31	.6	8.2	2.0	.1														92	92	138	37				
31 / 29	.1	8.7	2.3	.1														94	94	101	70				
28 / 27	1.8	3.6	2.3	.4														67	67	66	152				
26 / 25	.4	2.2	.5	.2														27	27	47	80				
25 / 23		3.7	.1															32	32	33	55				
22 / 21	.4	2.2	.2															23	23	34	31				
21 / 19	.2	1.2																12	12	21	21				
18 / 17		.2																2	2	14	30				
16 / 15	.2	.2																4	4	2	26				
14 / 13		.4																3	3	5	23				
12 / 11		.1																1	1	1	9				
11 / 9																					8				
10 / 7																					3				
07 / 5																					4				
TOTAL	4.365	926.2	2.5	.8	.2													837	837	837	837				

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5493297	67299	80.4	9.911	837	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1048049	28923	34.6	7.624	837		39.7					93
Wet Bulb	926597	27189	32.5	7.205	837		51.3					93
Dew Point	759534	24256	29.0	8.228	837		61.0					93

PSYCHROMETRIC SUMMARY

1 c160 HAHN AB DL
STATION STATION NAME

73-81

YEARS

DEC
MON

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
6 / 59						.1												1	1																
56 / 57						.1												1	1																
56 / 55						.1												1	1																
54 / 53							.1											1	1																
52 / 51			.5	.2	.4													9	9		1														
5 / 49				.5	.2													6	6		1														
48 / 47			.6	1.2	.1													16	16		6														
46 / 45	.2	4.3	1.8	.2														55	55	30	16														
44 / 43	.2	2.9	1.2	.2														38	38	44	27														
42 / 41	.2	5.7	2.5															71	71	42	35														
4 / 39		3.6	1.7	.1														45	45	56	39														
38 / 37	.8	3.2	2.3	.2														55	55	56	64														
36 / 35	.4	5.4	4.3															84	84	47	52														
34 / 33	1.0	7.7	4.5															110	110	90	45														
32 / 31	.4	9.0	1.4	.4														93	93	148	35														
3 / 29	.1	7.1	1.6															73	73	93	76														
28 / 27	1.1	4.3	1.7	.2														61	61	57	147														
26 / 25	.4	3.0	.7	.4														37	37	45	91														
24 / 23		3.9	.6															38	38	40	42														
22 / 21		2.5																21	21	34	32														
2 / 19	.1	1.0																9	9	27	32														
18 / 17	.1	.2																3	3	10	27														
16 / 15		1.0																8	8	3	20														
14 / 13																				6	27														
12 / 11																					14														
10 / 9																					9														
8 / 7																					3														
6 / 5																					1														
4 / 3																					1														
2 / 1																					1														
TOTAL	5.0	65.3	26.4	2.4	.7	.1												836	836		836														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5488691	67179	80.4	10.402	836	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1	211	28759	34.4	7.413	836	38.2					93
Wet Bulb	916466	27036	32.3	7.103	836		51.5					93
Dew Point	751901	24083	28.8	8.344	836		62.1					93

PSYCHROMETRIC SUMMARY

DEC
MON

PAGE 1 1800-2000
HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
27 / 51			.1		.6													6	6																
5 / 49			.1	.4	.1													5	5																
48 / 47			.2	1.0														10	10	2															
46 / 45	.1	3.6	2.6															53	53	20	11														
44 / 43	.4	1.7	.8	.1														25	25	50	22														
42 / 41	.7	6.0	1.6	.2														71	71	31	25														
40 / 39	.4	4.7	1.6	.2														57	57	55	43														
38 / 37	.5	4.5	.8	.2														51	51	56	60														
36 / 35	.6	4.7	4.3															80	80	61	52														
34 / 33	1.2	8.8	3.2															111	111	65	46														
32 / 31	.2	8.1	2.5															91	91	163	43														
30 / 29		7.6	.8															71	71	94	68														
28 / 27	2.2	5.3	.2															64	64	66	155														
26 / 25	.1	3.3	.6	.1														35	35	37	88														
24 / 23	.5	4.4	.5	.2														47	47	41	54														
22 / 21	.4	1.8	.5															22	22	32	29														
20 / 19	1.0	1.6																21	21	28	43														
18 / 17	.5	.4																7	7	24	19														
16 / 15	.2	.4																5	5	4	27														
14 / 13		.5																4	4	7	15														
12 / 11																					20														
10 / 9		.1																1	1	1	6														
8 / 7																					7														
6 / 5																					1														
4 / -1																					1														
-2 / -3																					1														
-4 / -5																					1														
TOTAL	8.8	67.7	21.5	1.2	.7													837	837	837	837														

PSYCHROMETRIC SUMMARY

1 6167
STATION

HAHN AB DL

73-81

DEC

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS 12, 5, 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
59 / 59						.0	.0											3	3																
58 / 57						.0												1	1																
56 / 55			.0			.0												4	4																
54 / 53		.0	.1			.1	.0											16	16																
52 / 51		.1	.3	.1	.2													41	41	9															
50 / 49		.2	.3	.1	.1													47	47	17	1														
48 / 47		.7	1.0	.2	.0													126	126	50	16														
46 / 45	.1	3.7	2.7	.2														444	444	191	98														
44 / 43	.1	2.5	1.2	.1														259	259	314	187														
42 / 41	.3	4.5	1.8	.2														452	452	355	227														
40 / 39	.5	4.1	1.4	.2	.0													415	415	392	338														
38 / 37	1.0	3.9	1.3	.1														416	417	435	430														
36 / 35	.6	6.2	2.4															620	620	447	450														
34 / 33	.9	8.6	2.8															820	820	634	395														
32 / 31	.6	8.0	2.0	.1														713	713	1096	394														
30 / 29	.2	7.9	1.0	.0	.0													614	616	733	612														
28 / 27	2.1	5.0	.9	.1														544	547	572	1090														
26 / 25	.5	3.2	.4	.1														283	283	329	620														
24 / 23	.4	4.1	.3	.1														328	328	281	436														
22 / 21	.5	2.2	.3															194	194	304	238														
20 / 19	.8	1.7	.2															181	181	215	265														
18 / 17	.1	.8	.0															66	66	165	250														
16 / 15	.3	.4																45	45	68	192														
14 / 13	.1	.3																26	26	48	153														
12 / 11	.1	.1																16	16	19	112														
10 / 9	.1	.1																11	11	11	96														
8 / 7	.0	.0																2	2	2	34														
6 / 5	.0																	2	2	2	39														
4 / 3																					8														
2 / 1																					5														
0 / -1																					1														
-2 / -3																					1														
-4 / -5																					1														
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

DEC
MONTH

ALL

MOORE J. E. T.

[illegible]

PSYCHROMETRIC SUMMARY

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS 11 A.M. - 5 P.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point													
89 / 89										.0	.0		.0	.0	.C			9	9															
88 / 87									.0	.0	.0	.0	.0	.0				20	20															
86 / 85											.0	.0	.0	.0	.C			27	27															
84 / 83									.0	.0	.0	.0	.0	.0	.0			80	80															
82 / 81							.0	.0	.0	.1	.0	.0	.0					142	142															
81 / 79						.0	.0	.1	.1	.0	.0	.0	.0					210	210															
78 / 77						.0	.1	.1	.1	.1	.0	.0						377	377															
67 / 75					.0	.1	.2	.1	.1	.0	.0	.0						428	428															
74 / 73				.0	.0	.1	.2	.2	.1	.0	.0							563	563															
72 / 71			.0	.0	.1	.2	.3	.2	.1	.0	.0							718	718		3													
70 / 69			.0	.1	.3	.4	.4	.2	.1	.0	.0							1100	1101	20														
68 / 67			.0	.1	.3	.3	.2	.1	.0	.0								915	915	120	1													
67 / 65		.0	.2	.2	.6	.4	.2	.1	.1	.0								1385	1385	342	3													
64 / 63	.0	.2	.4	1.2	.8	.7	.3	.2	.1	.0								3060	3061	810	105													
62 / 61	.0	.3	.8	.9	.6	.7	.2	.1	.0									2757	2757	1558	312													
61 / 59	.0	.7	1.2	1.0	1.1	.4	.3	.0	.0									3750	3750	2311	761													
58 / 57	.1	.8	1.1	1.2	.6	.3	.1	.0	.0									3323	3323	3357	1405													
56 / 55	.1	1.1	1.2	1.4	.5	.3	.1	.0										3770	3770	3584	2273													
54 / 53	.1	1.0	1.4	1.1	.5	.2	.1	.0										3449	3449	3972	2888													
52 / 51	.2	1.2	1.7	.9	.4	.2	.1	.0										3683	3683	4647	3531													
50 / 49	.1	1.2	1.6	.5	.4	.1	.0	.0										3071	3071	4855	3193													
48 / 47	.2	1.7	1.8	.7	.3	.1	.0											3703	3703	4637	4113													
46 / 45	.3	3.0	2.1	.9	.3	.1	.0											5335	5335	4466	7168													
44 / 43	.2	1.8	1.7	.7	.2	.1	.0											3712	3712	4603	4364													
42 / 41	.3	3.1	2.1	.6	.2	.0												5053	5053	4258	5269													
40 / 39	.3	2.6	2.0	.4	.1	.0												4297	4297	4523	4086													
38 / 37	.6	2.5	1.3	.3	.0	.0												3767	3768	4582	4355													
36 / 35	.3	3.1	1.5	.3	.0	.0												4128	4128	4657	4927													
34 / 33	.5	2.8	1.5	.2	.0													3902	3902	4811	4467													
32 / 31	.3	2.5	1.0	.1	.0													3037	3037	4905	3649													
30 / 29	.2	2.8	.5	.1	.0													2787	2789	3583	4214													
28 / 27	.6	2.1	.5	.0														2623	2627	2964	5454													
26 / 25	.2	1.1	.2	.0														1217	1217	1806	3253													
24 / 23	.1	1.1	.1	.0														1009	1009	1164	2915													
Element (X)	Σ X'			Σ X			Σ			Σ X			No. Obs.			Mean No. of Hours with Temperature																		
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total						
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

ALL
MONTH

ALL
HOURS 11 - 5 - T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
22/ 21	.2	.4	.1															539	539	943	1597												
21/ 19	.2	.3	.0															395	395	533	1369												
19/ 17	.0	.2	.0															164	164	401	1056												
16/ 15	.0	.1	.0															129	129	171	640												
14/ 13	.0	.1																67	67	104	435												
12/ 11	.0	.1																69	69	65	452												
11/ 9	.0	.1																58	58	62	289												
8/ 7	.0	.0																16	16	15	101												
6/ 5		.0																6	6	14	121												
4/ 3	.0	.0																3	3	5	42												
2/ 1																				2	30												
0/ -1	.0																	3	3	3	7												
-2/ -3																					5												
-4/ -5																					2												
-6/ -7																					4												
TOTAL	5.138	0.26	1.12	.9	7.6	4.8	2.8	1.4	.7	.3	.2	.1	.1	.0	.0			78856		78856													
																		78856		78856													

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

160 HAHN AB DL

73-81

STATION		STATION NAME												YEARS											
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
0-12	MEAN	31.9	32.9	38.2	41.1	48.4	54.6	57.3	58.1	53.1	44.9	37.9	33.4	44.4											
	S.D.	7.413	6.433	6.691	6.740	6.315	6.634	5.936	5.696	6.010	6.297	6.890	7.828	11.451											
	TOTAL OBS.	836	762	837	809	837	809	835	837	810	837	809	837	9855											
0-05	MEAN	31.1	31.9	36.7	39.1	46.2	52.9	55.4	55.9	51.1	43.6	36.9	32.9	42.9											
	S.D.	7.617	6.556	6.833	6.203	6.031	6.368	5.412	5.393	5.975	6.275	6.901	8.096	11.040											
	TOTAL OBS.	837	762	837	810	837	810	837	837	810	837	810	837	9861											
6-08	MEAN	31.1	31.5	36.3	39.1	47.8	54.4	56.6	56.7	51.5	43.3	36.8	32.9	43.2											
	S.D.	7.842	6.570	6.766	6.201	6.452	6.514	5.658	5.447	5.875	6.297	7.130	8.233	11.547											
	TOTAL OBS.	836	762	836	810	837	810	837	837	810	837	810	837	9859											
1-1	MEAN	31.7	32.7	38.8	43.6	52.9	59.2	61.2	62.0	56.4	46.0	38.2	33.3	46.4											
	S.D.	7.576	6.430	6.700	7.529	7.906	7.853	7.387	6.704	6.843	6.695	7.056	7.971	13.251											
	TOTAL OBS.	837	762	837	810	837	809	837	837	810	837	810	837	9860											
17-14	MEAN	33.3	35.5	42.4	47.5	56.5	62.6	64.8	65.9	60.3	49.3	40.3	34.6	49.5											
	S.D.	7.027	6.694	7.043	8.350	8.481	8.557	8.090	7.685	7.632	7.272	6.710	7.624	14.020											
	TOTAL OBS.	837	762	836	810	837	810	837	837	810	837	808	837	9858											
1-17	MEAN	33.5	36.3	43.5	48.4	57.6	63.3	65.8	67.0	60.9	49.7	40.2	34.4	50.1											
	S.D.	6.793	6.731	7.148	8.599	8.577	8.724	8.375	7.918	7.584	7.358	6.644	7.413	14.279											
	TOTAL OBS.	835	762	837	809	837	810	837	837	810	837	810	836	9857											
1-2	MEAN	32.5	34.4	41.0	45.9	55.3	61.0	63.6	63.9	57.4	46.9	38.7	33.5	47.9											
	S.D.	6.997	6.195	6.755	7.976	8.237	8.273	7.970	7.289	6.964	6.798	6.596	7.478	13.619											
	TOTAL OBS.	837	762	836	809	836	808	837	837	810	837	810	837	9856											
1-23	MEAN	32.1	33.3	39.1	42.8	50.8	56.6	59.4	59.8	54.3	45.5	37.9	33.1	45.5											
	S.D.	7.179	6.238	6.537	7.175	7.087	7.157	6.562	6.077	6.223	6.421	6.819	7.646	12.124											
	TOTAL OBS.	837	762	837	810	837	810	837	837	810	836	809	837	9859											
ALL HOURS	MEAN	32.2	33.5	39.5	43.4	52.0	58.1	60.5	61.2	55.6	46.2	38.4	33.5	46.2											
	S.D.	7.362	6.673	7.225	8.125	8.454	8.436	7.922	7.672	7.535	7.053	6.955	7.810	12.979											
	TOTAL OBS.	6692	6096	6693	6477	6695	6476	6698	6695	6680	6695	6076	6695	78865											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 2160 HAHN AB DL
STATION

73-81
YEARS

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
C-07	MEAN	30.3	30.8	35.3	37.2	44.0	50.1	52.9	53.5	49.9	42.8	36.2	31.7	41.3
	S.D.	7.170	6.023	6.491	5.902	5.459	5.580	4.590	4.879	5.495	5.957	6.711	7.553	10.331
	TOTAL OBS	836	762	837	809	837	809	835	837	810	837	809	837	9855
0-05	MEAN	29.8	30.1	34.3	35.9	42.7	49.0	51.8	52.2	48.6	41.9	35.5	31.3	40.3
	S.D.	7.336	6.224	6.655	5.671	5.518	5.610	4.493	4.955	5.574	5.940	6.691	7.785	10.192
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	836	9860
6-08	MEAN	29.7	29.8	34.0	36.0	43.8	50.3	52.7	52.8	48.7	41.6	35.3	31.3	40.6
	S.D.	7.504	6.225	6.600	5.688	5.624	5.438	4.421	4.825	5.427	6.052	6.887	7.860	10.536
	TOTAL OBS	835	762	836	810	837	810	837	837	810	837	810	834	9855
-11	MEAN	30.1	30.6	35.9	39.0	46.9	53.0	55.3	55.8	51.9	43.7	36.4	31.4	42.6
	S.D.	7.242	5.950	6.407	6.062	6.124	5.756	4.821	4.866	5.607	6.122	6.829	7.586	11.279
	TOTAL OBS	837	762	837	810	837	809	837	837	810	837	810	835	9858
12-14	MEAN	31.4	32.6	38.1	41.1	48.7	54.5	56.7	57.4	53.8	45.7	38.0	32.5	44.3
	S.D.	6.726	5.894	6.394	6.235	6.175	5.747	4.801	4.951	5.799	6.184	6.497	7.205	11.250
	TOTAL OBS	837	762	836	810	836	810	837	837	809	837	808	837	9856
15-17	MEAN	31.5	33.1	38.7	41.4	49.0	54.7	56.9	57.7	54.0	45.9	37.8	32.3	44.5
	S.D.	6.494	5.820	6.432	6.156	5.975	5.629	4.726	4.828	5.604	6.202	6.477	7.103	11.218
	TOTAL OBS	835	762	837	809	837	810	837	837	810	837	810	836	9857
1-2	MEAN	30.8	31.8	37.1	39.9	47.8	53.5	56.0	56.1	52.1	44.1	36.7	31.7	43.2
	S.D.	6.801	5.629	6.385	5.999	5.943	5.595	4.739	4.717	5.577	6.162	6.486	7.156	11.083
	TOTAL OBS	837	762	836	809	836	808	837	837	810	837	810	837	9856
1-23	MEAN	30.4	31.0	35.9	38.2	45.3	51.1	53.9	54.0	50.4	43.0	36.1	31.4	41.8
	S.D.	6.943	5.783	6.451	5.963	5.709	5.509	4.535	4.704	5.452	6.074	6.627	7.338	10.551
	TOTAL OBS	837	762	837	810	837	810	837	837	810	836	809	837	9859
ALL HOURS	MEAN	30.5	31.2	36.2	38.6	46.0	52.0	54.5	55.0	51.2	43.6	36.5	31.7	42.3
	S.D.	7.061	6.043	6.661	6.285	6.242	5.966	4.994	5.220	5.902	6.266	6.710	7.462	10.915
	TOTAL OBS	6691	6096	6693	6477	6694	6476	6694	6696	6479	6695	6476	6689	78856

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1-160 HAHN AB DL

73-81

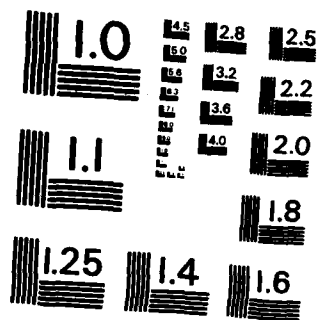
STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0-32	MEAN	27.3	27.0	31.0	31.7	39.2	46.0	49.2	49.7	47.0	40.5	33.7	28.5	37.6	
	S.D.	8.144	6.930	8.001	7.087	6.455	6.497	5.294	5.690	6.044	6.481	7.593	8.604	10.900	
	TOTAL OBS	836	762	837	809	837	809	835	837	810	837	809	837	9855	
3-25	MEAN	27.1	26.7	30.5	31.4	38.6	45.5	48.7	49.2	46.3	40.0	33.3	28.4	37.2	
	S.D.	8.186	7.201	8.005	6.834	6.480	6.434	5.123	5.697	6.028	6.383	7.551	8.735	10.802	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	837	810	836	9860	
6-18	MEAN	26.8	26.4	30.3	31.6	39.4	46.6	49.6	49.7	46.2	39.6	33.2	28.4	37.4	
	S.D.	8.374	7.124	7.854	6.734	6.342	6.120	4.883	5.510	5.914	6.558	7.668	8.720	11.023	
	TOTAL OBS	835	762	836	810	837	810	837	837	810	837	810	834	9855	
9-11	MEAN	27.0	26.8	31.6	33.1	41.0	47.8	50.7	51.1	48.1	41.2	33.9	28.2	38.4	
	S.D.	8.304	6.731	7.808	6.731	6.673	6.267	5.022	5.481	6.019	6.549	7.648	8.549	11.344	
	TOTAL OBS	837	762	837	810	837	809	837	837	810	837	810	835	9858	
12-14	MEAN	28.0	27.9	32.2	33.2	41.1	48.0	50.7	51.1	48.5	42.1	34.8	29.0	38.9	
	S.D.	7.802	6.754	8.220	7.064	6.958	6.334	5.159	5.609	6.354	6.729	7.565	8.228	11.148	
	TOTAL OBS	837	762	836	810	836	810	837	837	809	837	808	837	9856	
15-17	MEAN	28.0	28.0	32.1	32.8	40.8	47.8	50.3	50.8	48.3	42.0	34.5	28.8	38.7	
	S.D.	7.576	6.699	8.477	7.149	6.890	6.337	5.120	5.664	6.100	6.842	7.639	8.344	11.085	
	TOTAL OBS	835	762	837	809	837	810	837	837	810	837	810	836	9857	
18-20	MEAN	27.4	27.5	31.5	32.4	40.3	47.3	50.1	50.2	47.7	41.0	33.8	28.4	38.2	
	S.D.	7.949	6.609	8.387	7.116	6.910	6.403	5.133	5.560	6.063	6.811	7.572	8.262	11.102	
	TOTAL OBS	837	762	836	809	836	808	837	837	810	837	810	837	9856	
21-23	MEAN	27.1	27.0	31.2	32.0	39.5	46.3	49.5	49.4	46.9	40.4	33.4	28.2	37.6	
	S.D.	8.008	6.770	8.271	7.107	6.755	6.308	5.216	5.622	6.043	6.751	7.618	8.301	10.953	
	TOTAL OBS	837	762	837	810	837	810	837	837	810	836	809	837	9859	
ALL HOURS	MEAN	27.3	27.1	31.3	32.3	40.0	46.9	49.9	50.1	47.4	40.8	33.8	28.5	38.0	
	S.D.	8.054	6.872	8.152	7.008	6.740	6.408	5.161	5.648	6.127	6.690	7.621	8.469	11.062	
	TOTAL OBS	6691	6096	6693	6477	6694	6476	6694	6696	6479	6695	6476	6689	78856	

AD-A122 718

MAHN AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 08 AUG 82
UNCLASSIFIED USAFETAC/DS-82/040 SBI-AD-ESBO 208 F/G 4/2

5/5
NL

END



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 6160

HAHN AB DL

73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	99.7	96.5	79.1	53.9	13.5	79.4	762
	03-05	100.0	100.0	100.0	100.0	99.7	97.2	84.6	60.5	21.7	81.6	762
	06-08	100.0	100.0	100.0	100.0	99.6	97.2	85.6	61.9	18.2	81.6	762
	09-11	100.0	100.0	100.0	100.0	99.3	95.1	79.9	52.8	10.5	79.3	762
	12-14	100.0	100.0	100.0	99.0	95.0	85.7	64.4	38.2	9.2	74.7	762
	15-17	100.0	100.0	100.0	98.2	92.7	82.2	57.9	34.8	8.8	73.0	762
	18-20	100.0	100.0	100.0	100.0	97.8	88.7	69.9	42.7	9.7	76.4	762
	21-23	100.0	100.0	100.0	100.0	98.8	92.5	74.5	49.1	11.2	78.0	762
TOTALS		100.0	100.0	100.0	99.7	97.8	91.9	74.5	49.2	12.9	78.0	6096

USAFETAC

FORM
JUN 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1616C HAHN AB DL

73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.5	97.1	90.7	68.3	35.4	11.4	75.9	837
	03-05	100.0	100.0	100.0	99.8	98.3	94.9	76.5	46.7	14.1	78.6	837
	06-08	100.0	100.0	100.0	99.9	99.4	97.5	79.9	46.2	15.2	79.5	836
	09-11	100.0	100.0	100.0	99.2	97.6	91.3	65.2	34.4	11.8	75.9	837
	12-14	100.0	100.0	99.2	96.7	89.6	70.8	42.6	23.6	6.7	68.6	836
	15-17	100.0	100.0	98.3	94.5	84.2	62.8	36.9	18.3	5.0	65.9	837
	18-20	100.0	100.0	99.8	97.1	92.0	76.7	48.9	22.6	6.8	70.1	836
	21-23	100.0	100.0	100.0	98.9	95.2	86.0	63.3	29.5	9.0	73.9	837
TOTALS		100.0	100.0	99.7	98.2	94.2	83.8	60.2	32.1	10.0	73.6	6693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

176160

HAHN AB DL

73-81

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.8	97.6	83.2	68.2	33.1	8.4	74.6	837
	03-05	100.0	100.0	100.0	100.0	99.0	90.9	79.7	45.3	13.0	78.6	837
	06-08	100.0	100.0	100.0	99.6	98.8	92.1	77.7	41.1	15.7	78.0	837
	09-11	100.0	100.0	99.6	98.1	89.5	72.3	49.2	19.7	5.1	68.8	837
	12-14	100.0	99.9	98.8	90.6	73.7	49.5	26.9	9.8	2.6	60.7	837
	15-17	100.0	100.0	96.8	86.7	66.8	44.0	25.0	7.9	2.0	58.4	837
	18-20	100.0	100.0	98.4	90.8	78.1	56.5	35.2	11.6	2.9	63.1	837
	21-23	100.0	100.0	99.9	97.5	91.5	73.2	55.1	20.7	5.9	70.0	837
TOTALS		100.0	100.0	99.2	95.4	86.9	70.2	52.1	23.7	7.0	69.0	6696

USAFETAC

FORM
AIR 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1.6160 HAHN AB DL

73-81

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	96.0	85.6	47.8	16.2	80.1	810
	03-05	100.0	100.0	100.0	100.0	99.9	99.0	92.3	66.5	23.5	83.8	810
	06-08	100.0	100.0	100.0	100.0	99.6	97.4	89.4	59.5	22.5	82.6	810
	09-11	100.0	100.0	100.0	99.9	96.7	85.4	67.8	32.3	10.0	74.8	810
	12-14	100.0	100.0	100.0	98.0	87.5	65.4	39.4	17.4	5.7	66.7	809
	15-17	100.0	100.0	100.0	97.3	82.8	61.1	33.2	13.3	4.6	64.6	810
	18-20	100.0	100.0	100.0	99.5	93.7	79.3	55.9	23.1	7.7	71.3	810
	21-23	100.0	100.0	100.0	100.0	99.3	92.0	74.4	35.9	12.1	76.9	810
TOTALS		100.0	100.0	100.0	99.3	94.9	84.5	67.3	37.0	12.8	75.1	6479

USAFETAC

FORM 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

106160 HAHN AB DL

73-81

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.8	98.9	91.3	71.0	31.3	84.8	837
	03-05	100.0	100.0	100.0	100.0	100.0	99.4	95.9	80.6	40.3	87.2	837
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	96.9	79.9	37.6	86.9	837
	09-11	100.0	100.0	100.0	100.0	99.4	97.7	90.2	65.2	27.2	83.5	837
	12-14	100.0	100.0	100.0	99.5	97.5	90.1	71.7	41.3	16.7	77.1	837
	15-17	100.0	100.0	100.0	99.2	96.9	86.9	69.1	38.4	14.1	75.8	837
	18-20	100.0	100.0	100.0	99.4	98.9	94.9	82.8	52.2	21.3	80.4	837
	21-23	100.0	100.0	100.0	100.0	99.4	97.5	88.5	62.7	24.3	82.8	836
TOTALS		100.0	100.0	100.0	99.8	99.0	95.6	85.8	61.4	26.6	82.3	6695

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 6166 HAHN AB DL

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.8	98.2	89.9	63.3	22.0	82.6	6691
FEB		100.0	100.0	100.0	99.7	97.8	91.9	74.5	49.2	12.9	78.0	6096
MAR		100.0	100.0	99.7	98.2	94.2	83.8	60.2	32.1	10.0	73.6	6693
APR		100.0	100.0	99.5	93.8	79.8	63.6	44.8	24.6	5.1	66.8	6477
MAY		100.0	100.0	99.6	93.3	81.0	62.7	42.3	18.5	4.6	65.7	6694
JUN		100.0	100.0	98.9	94.6	85.8	69.8	51.0	23.3	6.9	68.5	6476
JUL		100.0	99.7	98.5	95.7	87.6	71.9	53.3	29.0	10.7	70.2	6694
AUG		100.0	100.0	99.2	95.4	86.9	70.2	52.1	23.7	7.0	69.0	6696
SEP		100.0	100.0	100.0	99.3	94.9	84.5	67.3	37.0	12.8	75.1	6479
OCT		100.0	100.0	100.0	99.8	99.0	95.6	85.8	61.4	26.6	82.3	6695
NOV		100.0	100.0	100.0	100.0	99.9	98.2	89.6	67.7	30.3	84.0	6476
DEC		100.0	100.0	100.0	99.8	99.3	97.4	88.6	61.6	20.9	82.1	6689
TOTALS		100.0	100.0	99.6	97.5	92.2	82.3	66.6	41.0	14.2	74.8	78856

USAFETAC

FORM 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

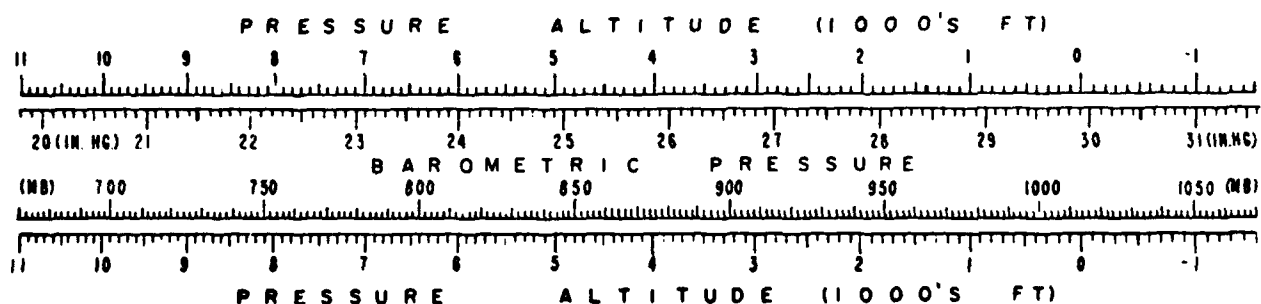
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure ~~DATA NOT AVAILABLE~~ DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

106160 MAHN AB DL

73-81

STATION		STATION NAME												YEARS	
HRS. (I.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
[1]	MEAN	28.232	28.193	28.174	28.211	28.225	28.283	28.279	28.311	28.308	28.226	28.276	28.169	28.241	
	S.D.	.317	.330	.269	.194	.186	.156	.142	.140	.189	.263	.281	.365	.251	
	TOTAL OBS	278	254	279	269	279	269	279	279	270	279	270	279	3284	
4	MEAN	28.227	28.180	28.161	28.195	28.214	28.273	28.265	28.298	28.295	28.210	28.268	28.161	28.229	
	S.D.	.313	.332	.268	.199	.191	.157	.143	.141	.191	.267	.280	.367	.252	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	278	270	279	3286	
7	MEAN	28.223	28.182	28.164	28.202	28.223	28.283	28.272	28.303	28.300	28.219	28.267	28.157	28.233	
	S.D.	.313	.333	.269	.202	.191	.160	.146	.143	.193	.274	.281	.369	.254	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287	
	MEAN	28.241	28.201	28.180	28.214	28.234	28.293	28.282	28.318	28.316	28.231	28.285	28.173	28.247	
	S.D.	.311	.337	.269	.205	.193	.160	.147	.144	.194	.272	.281	.366	.255	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	270	279	3287	
13	MEAN	28.231	28.199	28.176	28.204	28.227	28.287	28.277	28.314	28.310	28.226	28.274	28.166	28.241	
	S.D.	.312	.334	.266	.201	.190	.157	.146	.141	.193	.269	.280	.367	.253	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	279	269	279	3286	
A	MEAN	28.221	28.186	28.158	28.189	28.210	28.275	28.265	28.300	28.295	28.215	28.262	28.159	28.228	
	S.D.	.315	.329	.260	.197	.185	.154	.145	.139	.191	.265	.279	.363	.250	
	TOTAL OBS	278	254	279	270	279	270	279	279	270	279	268	279	3284	
9	MEAN	28.231	28.198	28.165	28.191	28.214	28.271	28.260	28.297	28.302	28.229	28.272	28.169	28.233	
	S.D.	.317	.328	.261	.195	.181	.153	.143	.135	.191	.261	.285	.362	.249	
	TOTAL OBS	279	254	279	269	279	269	279	279	270	279	270	279	3285	
12	MEAN	28.234	28.202	28.173	28.211	28.233	28.290	28.277	28.315	28.312	28.237	28.275	28.176	28.245	
	S.D.	.318	.330	.262	.196	.183	.154	.142	.138	.189	.263	.289	.362	.251	
	TOTAL OBS	279	254	279	270	279	270	279	279	270	278	270	279	3286	
ALL HOURS	MEAN	28.230	28.193	28.169	28.202	28.223	28.282	28.272	28.307	28.305	28.224	28.272	28.166	28.237	
	S.D.	.314	.331	.265	.199	.188	.156	.144	.140	.191	.267	.282	.365	.252	
	TOTAL OBS	2230	2032	2232	2158	2232	2158	2232	2232	2160	2238	2187	2232	26285	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

106160 MAHN AB DL

STATION

STATION NAME

YEARS

HRS (L.S.T.)	MEAN S.D. TOTAL OBS	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S.D. TOTAL OBS													
4	MEAN S.D. TOTAL OBS													
7	MEAN S.D. TOTAL OBS													
0	MEAN S.D. TOTAL OBS													
17	MEAN S.D. TOTAL OBS													
6	MEAN S.D. TOTAL OBS													
9	MEAN S.D. TOTAL OBS													
2	MEAN S.D. TOTAL OBS													
ALL HOURS	MEAN S.D. TOTAL OBS													

DATA NOT AVAILABLE

END

DATE
FILMED

2 83

DTI